اكواد بايثون اندرويد

هذا الكتاب يحتوي علي اكواد برمجة اندرويد من خلال لغة البرمجة بايثون..... وهذا الكتاب يناسب اي مبتدئ
يتـ قن قواعد بايثون.

تم تجميع بعض الاكواد في صور لتوضيح وحفظ المسافات.

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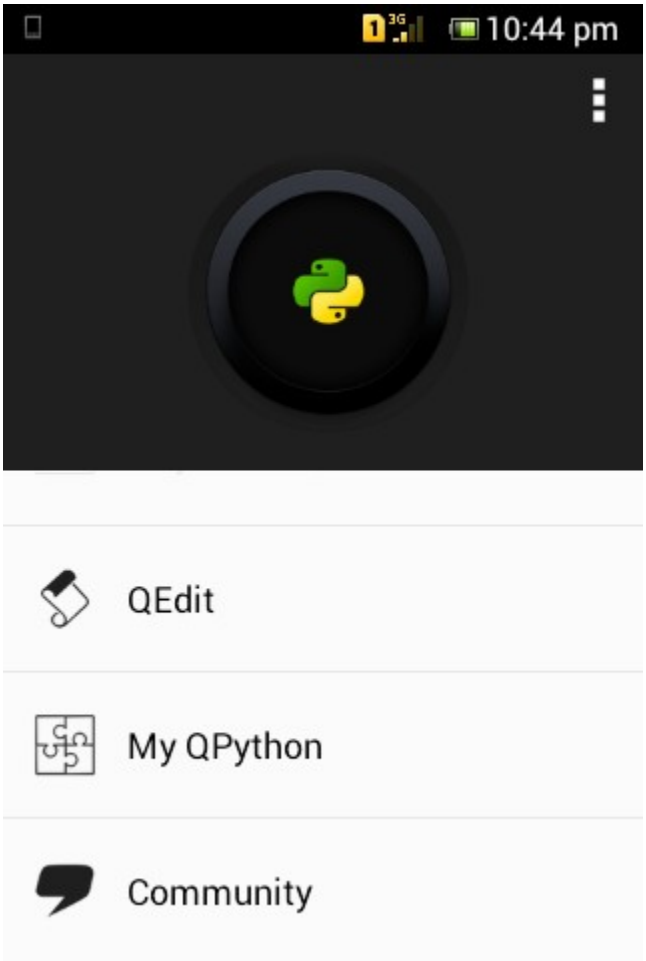
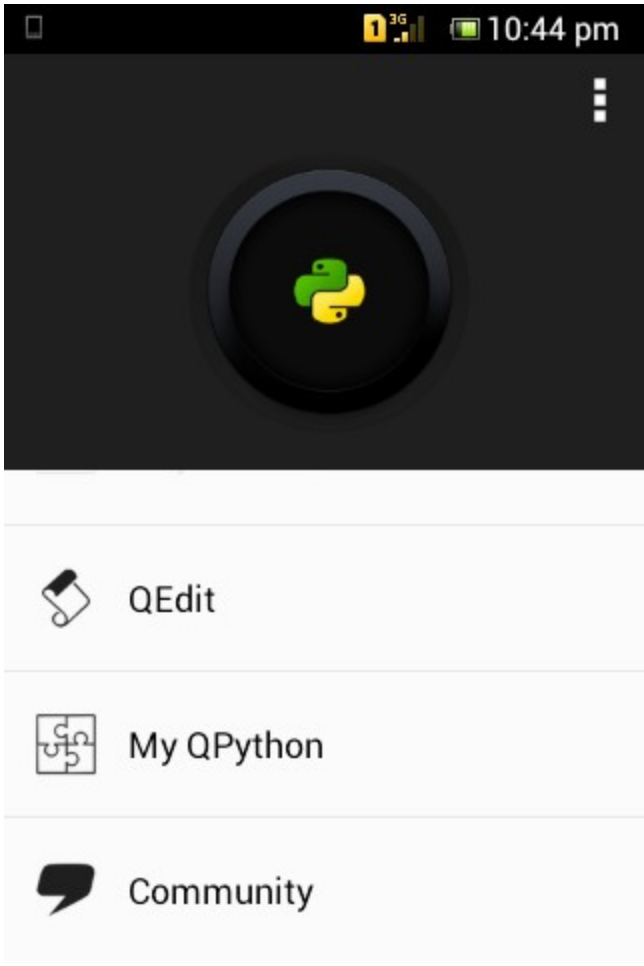
30/4/2015
للتواصل
smarthero50@gmail.com

ادوات تشغيل اكواد علي اندرويد:

في هذا الكتاب تم الاعتماد علي برنامج





Qpython3

ملحوظة:
يمكن استخدام مكتبه sl4a او مكتبة android لكن الافضل استخدام import android اذا اردت تحويل البرنامج الى apk

#نطق التاريخ او الو قت

```
import datetime
import time
import android
droid=android.Android()
l=time.strftime("%I %P %a")
k=time.strftime("%y / %m / %d")
droid.dialogCreateAlert(k,l).result
droid.dialogSetPositiveButtonText("say time")
droid.dialogSetNegativeButtonText("say data")
droid.dialogShow()
re=droid.dialogGetResponse()
answer=re.result["which"] == "positive"
if answer:
   droid.ttsSpeak(l)
else:
   droid.ttsSpeak(k)
```

#ارسال ايميل

```
import  android

droid = android.Android()
```

```
droid.sendEmail("smarthero50@gmail.com"
   ,
sendEmail","using Python")
```

```
#ارسال رسالة

#_*_coding:utf-8_*_

import android

droid = android.Android()

number = "+2010994584**"

"message = "I'm using Qpython3

droid.smsSend(number,
message.encode("utf-8
"))
```

```
#اتصال بر قم
```

```
 import android
 droid = android.Android()
droid.phoneCallNumber("010994584**")
```

```
import android
()droid = android.Android
droid.launch("com.android.calendar.Launch
Activity
")
```

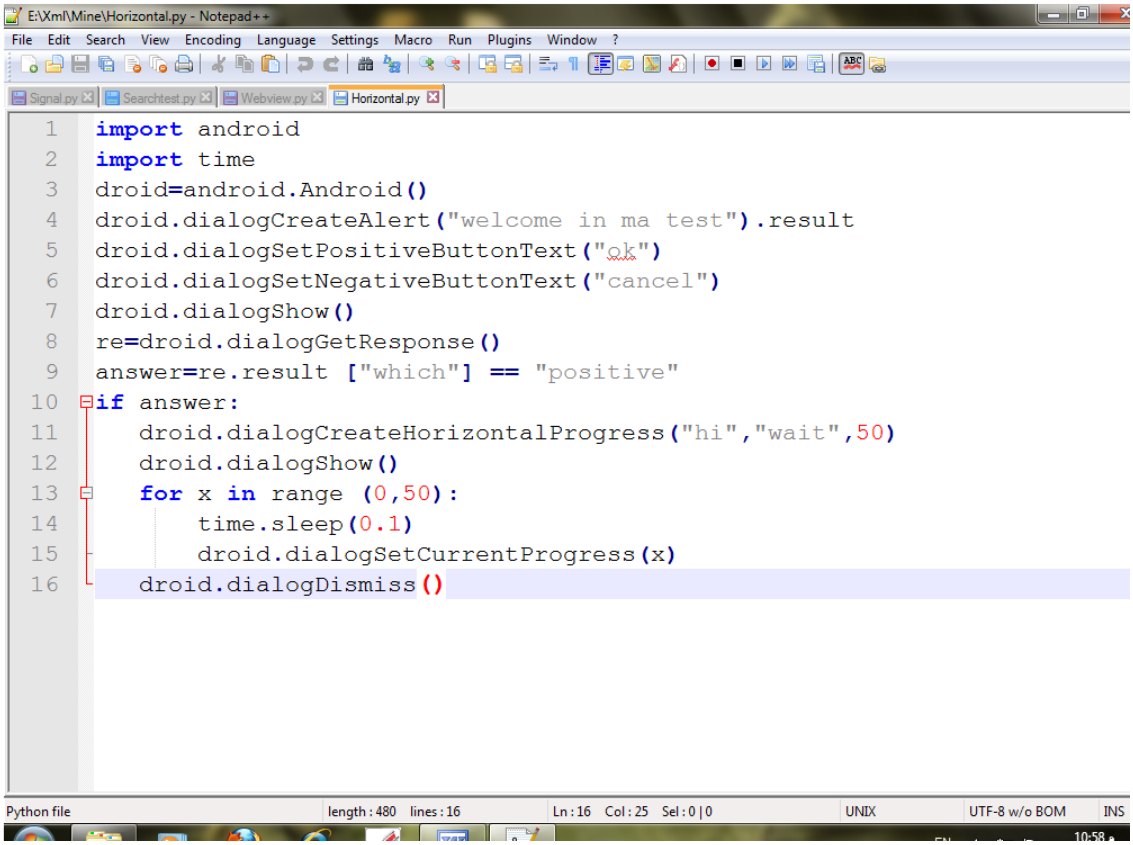
```
#html عرض ملف
import android
()droid=android.Android
droid.viewHtml('file:///sdcard/battery.html')
```

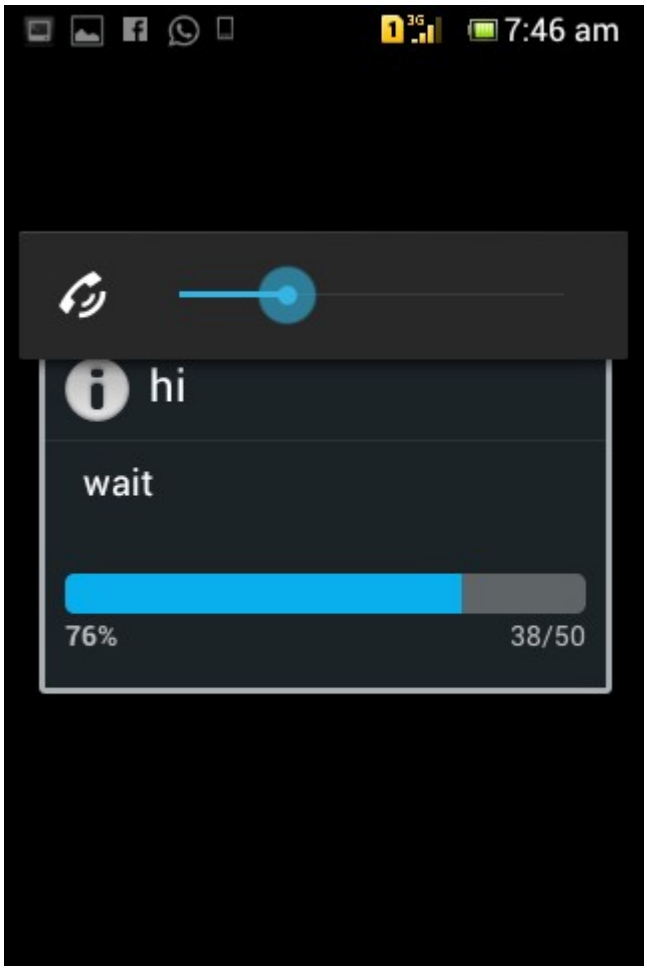
Battery status

- status: 3
- level: 68

```
_*_coding:utf-8_*_#
_*_coding:utf-8_*_#
import  android
droid= android.Android()
w=droid.getNetworkOperatorName()
droid.startTrackingSignalStrengths()
e=droid.readSignalStrengths().result
droid.stopTrackingSignalStrengths()
q=(e['gsm_signal_strength'])
print (e)
qq=str(q)
h=str(e["gsm_bit_error_rate"])
l="\n"
 droid.dialogCreateAlert("signal
strength",w[1]+l+qq+l+"error rate"+"="+h)
droid.dialogSetPositiveButtonText("ok")
droid.dialogShow()
re=droid.dialogGetResponse()
```

#فتح مو قع
import android
()droid=android.Android
droid.webViewShow('http://www.google.com.eg/',True)


E:\Xml\Mine\Horizontal.py - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
Signal.py
Searchtest.py
Webview.py
Horizontal.py
1 import android
2 import time
3 droid=android.Android()
4 droid.dialogCreateAlert("welcome in ma test").result
5 droid.dialogSetPositiveButtonText("ok")
6 droid.dialogSetNegativeButtonText("cancel")
7 droid.dialogShow()
8 re=droid.dialogGetResponse()
9 answer=re.result ["which"] == "positive"
10 if answer:
11 droid.dialogCreateHorizontalProgress("hi","wait",50)
12 droid.dialogShow()
13 for x in range (0,50):
14 time.sleep(0.1)
15 droid.dialogSetCurrentProgress(x)
16 droid.dialogDismiss()
Python file
length : 480 lines : 16
Ln : 16 Col : 25 Sel : 0 | 0
UNIX
UTF-8 w/o BOM
INS



#عرض فيديو

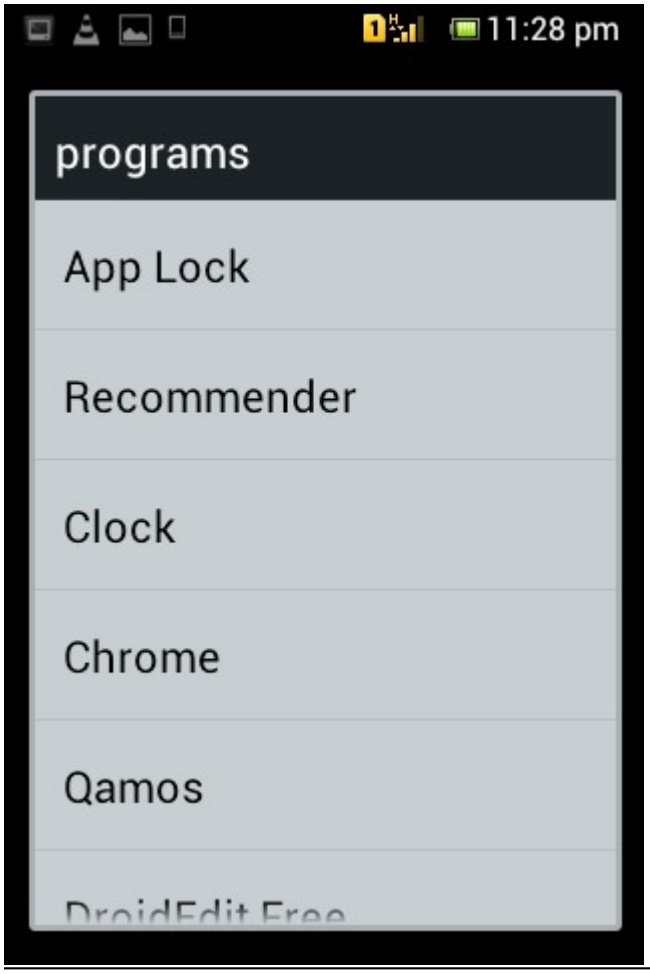
```
import  android
droid=android.Android()
droid.view("file:///sdcard/apk.mp4","video/*
").result
```

عرض صوره

```
import android
()droid=android.Android
"*/droid.view("file:///sdcard/foo.jpg","image
(
```

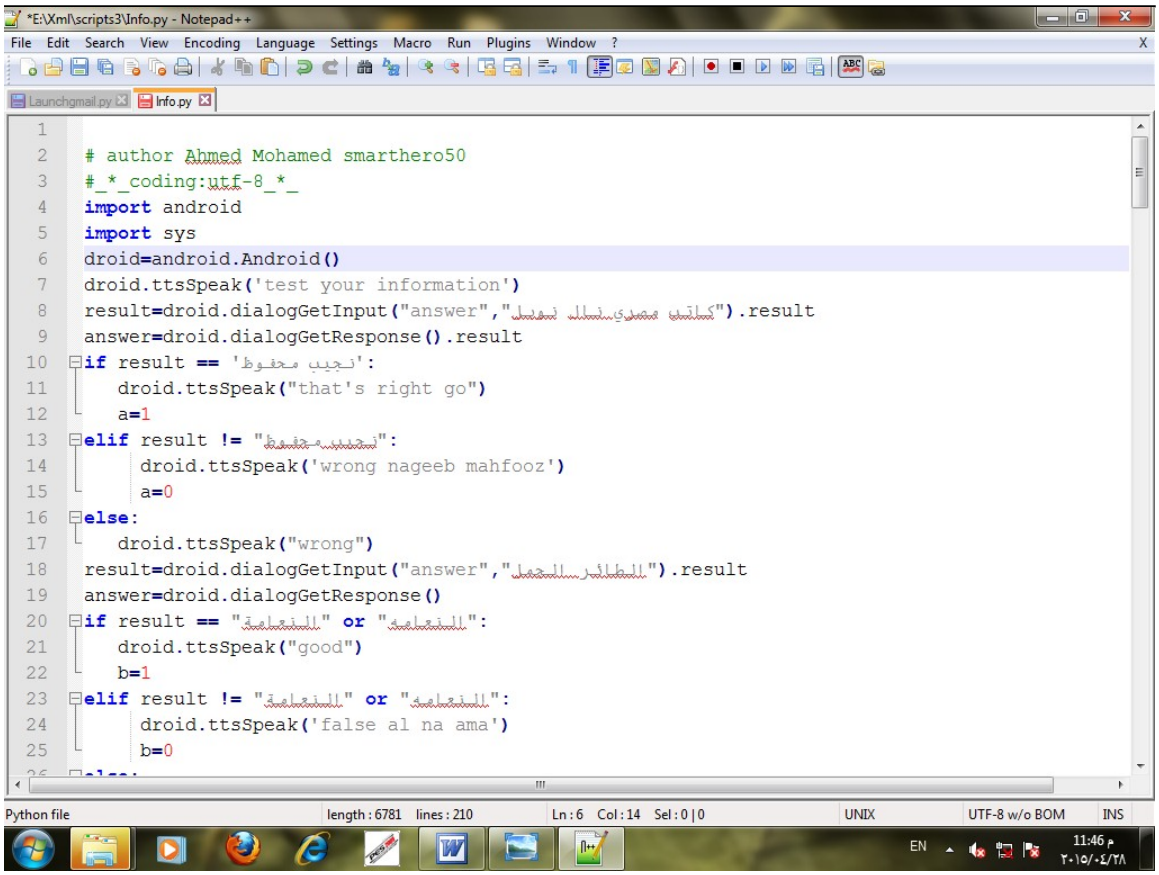
عرض برامج الهاتف وتشغيلها

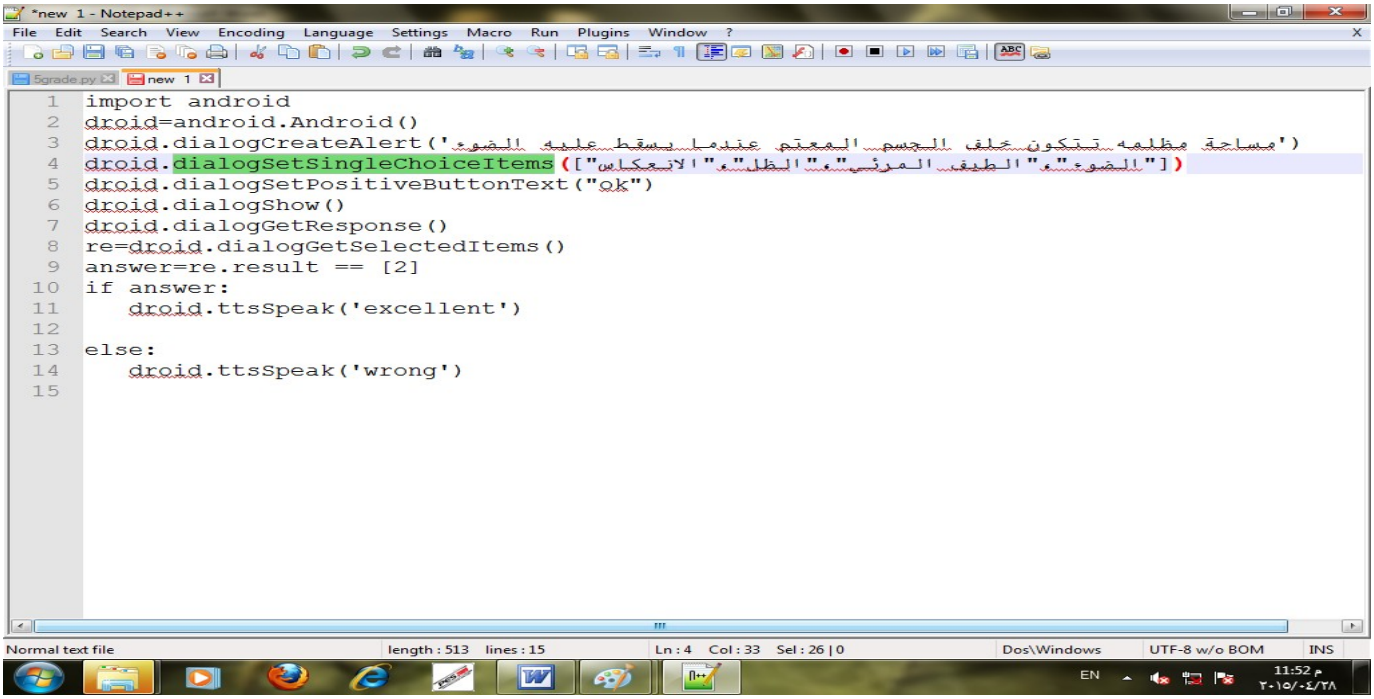
```
_*_coding:utf-8_*_#
import android
import os
droid=android.Android()
e=droid.getLaunchableApplications().result
q=list(e)

droid.dialogCreateAlert("programes")
droid.dialogSetItems(q)
droid.dialogShow()
re=droid.dialogGetResponse().result["item"]
w=(q[re])

droid.launch(e[w])
```




```
import android
droid=android.Android()
e=droid.getLaunchableApplications().result
print (e['Gmail'])
print (e.keys())
```

droid.launch(e['Gmail'])



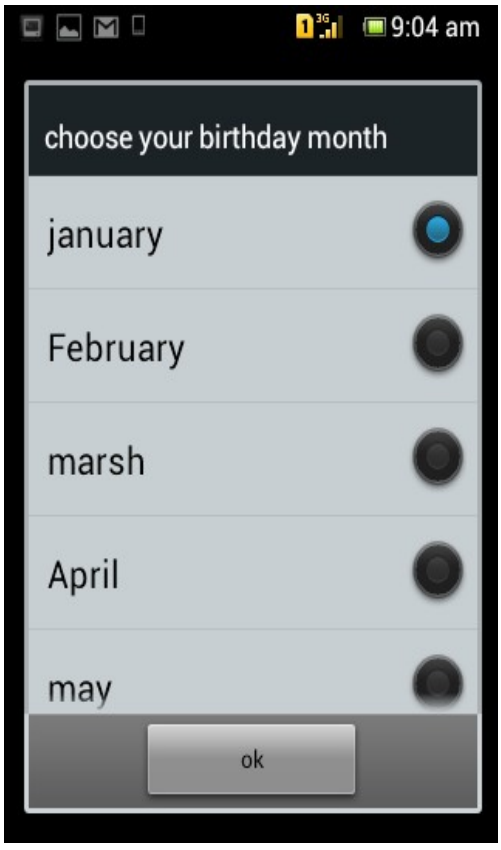

*new 1 - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
5grade.py
new 1
import android
droid=android.Android()
droid.dialogCreateAlert('مساحة مظلمه تتكون خلف الجسم المعتم عندما يسقط عليه الضوء')
droid.dialogSetSingleChoiceItems(["الضوء"،"الطيف المرئي"،"الظل"،"الانعكاس"])
droid.dialogSetPositiveButtonText("ok")
droid.dialogShow()
droid.dialogGetResponse()
re=droid.dialogGetSelectedItems()
answer=re.result == [2]
if answer:
droid.ttsSpeak('excellent')
else:
droid.ttsSpeak('wrong')
Normal text file
length : 513 lines : 15
Ln : 4 Col : 33 Sel : 26 | 0
Dos\Windows
UTF-8 w/o BOM
INS
EN
11:52 م
٢٠١٥/٠٤/٢٨

```
import android

import time

droid=android.Android()

 droid.dialogCreateAlert('choose your
birthday month')
droid.dialogSetSingleChoiceItems(["january
","February","marsh","April","may","June",
"July","August","September","October","No
vember","December"],0)

droid.dialogSetPositiveButtonText("ok")
droid.dialogShow()

droid.dialogGetResponse()
re=droid.dialogGetSelectedItems()
 answer=re.result

if answer == [6]:
```

```
   droid.ttsSpeak('you should pray
   more ,you have merciful God')
droid.dialogCreateAlert(" enjoy your life ")
droid.dialogShow()

time.sleep(5 )

droid.dialogDismiss ()
elif answer == [2]:
droid.ttsSpeak('your good luck is smiling  ')


 droid.dialogCreateAlert('do your best to
 success')

droid.dialogShow()
time.sleep(5 )
 droid.dialogDismiss ()

elif answer == [0]:
droid.ttsSpeak('your big dream will come
true')
```

```
droid.dialogCreateAlert(" you have big
dreams
")
droid.dialogShow ()
time.sleep(5)
droid.dialogDismiss ()
elif answer == [1]:
 droid.ttsSpeak(' you should remember
that. life is not easy')
 droid.dialogCreateAlert("but I can see
 your success")
droid.dialogCreateAlert("location's
("information

(droid.dialogSetSingleChoiceItems(list

("droid.dialogSetPositiveButtonText("ok

()droid.dialogShow

()re=droid.dialogGetResponse
```

```
()droid.stopLocation
droid.dialogShow ()

time.sleep(5)

droid.dialogDismiss()
elif answer == [3]:
 droid.ttsSpeak(' change your life when
you change your ideas')
droid.dialogCreateAlert(" you have really
great ideas just believe yourself")
droid.dialogShow ()
time.sleep(5 )
droid.dialogDismiss ()
```



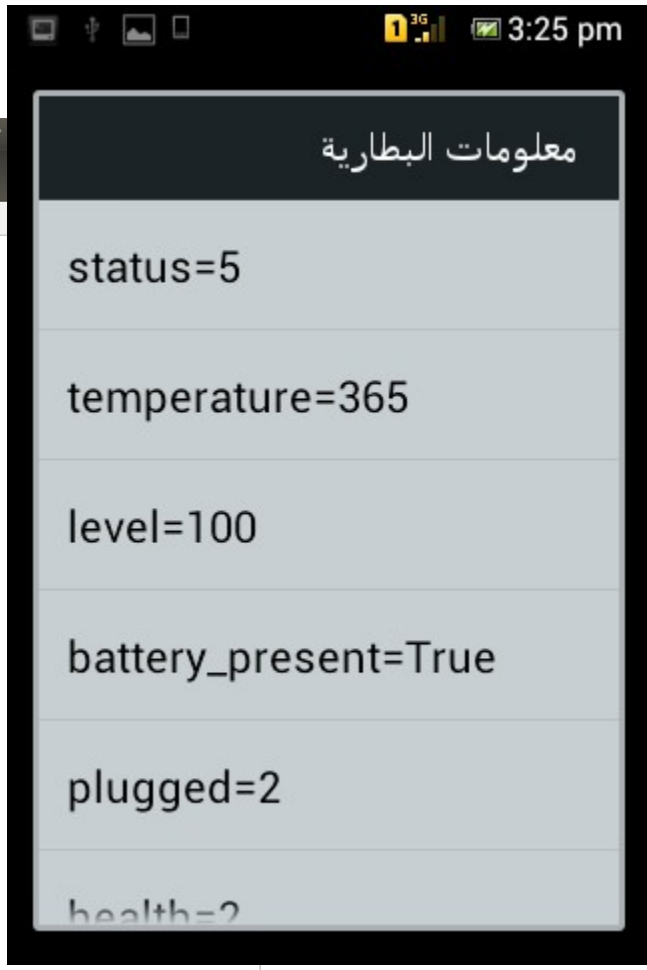
for+list.py (movies /media/movies/Xml) - gedit

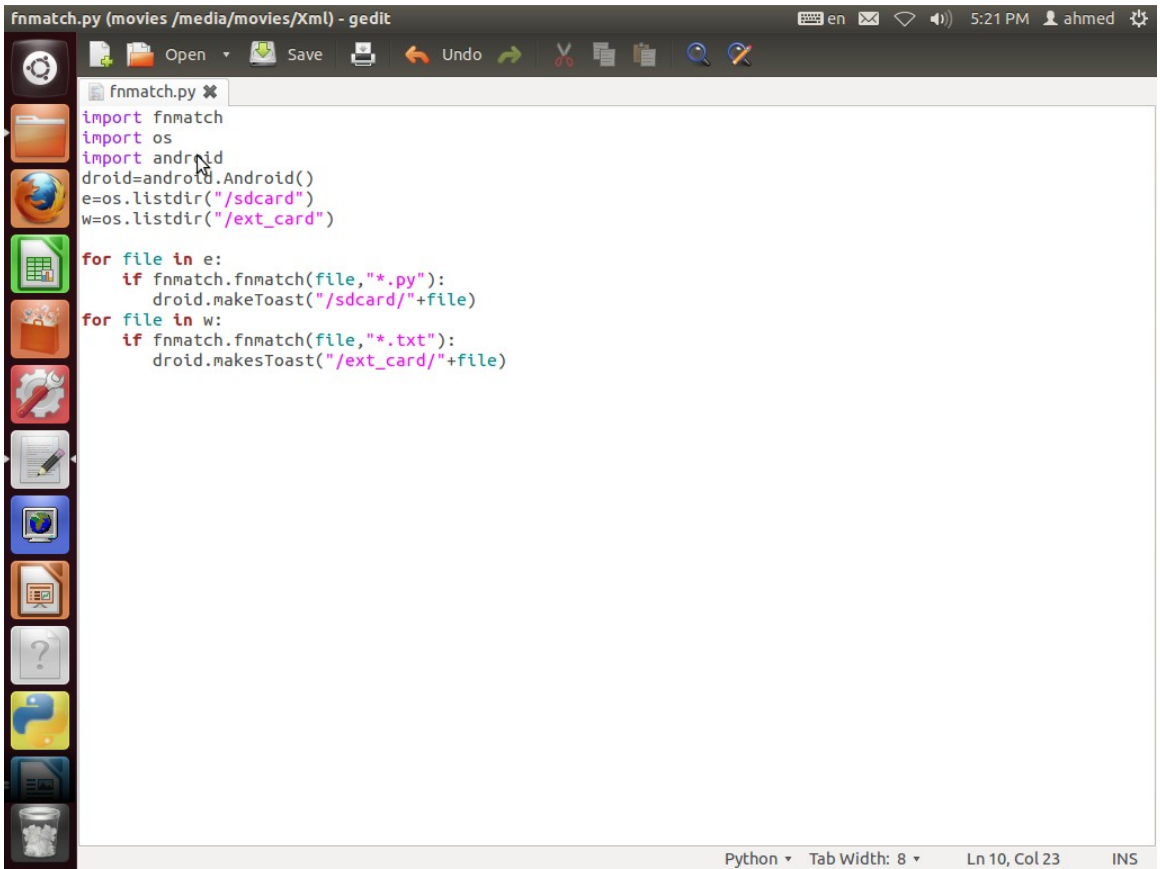
Open Save Undo

for+list.py

```
#_*_coding:utf-8_*_
import android ,time
droid=android.Android()
droid.batteryStartMonitoring()
time.sleep(2)
e=droid.readBatteryData().result
list=[]
for x in e.keys():
    q=x+"="+ str(e[x])
    list.append(q)
droid.dialogCreateAlert("معلومات البطارية")
droid.dialogSetItems(list)
droid.dialogShow()
re=droid.dialogGetResponse()
ans=re.result["item"]
print(list[ans])
```

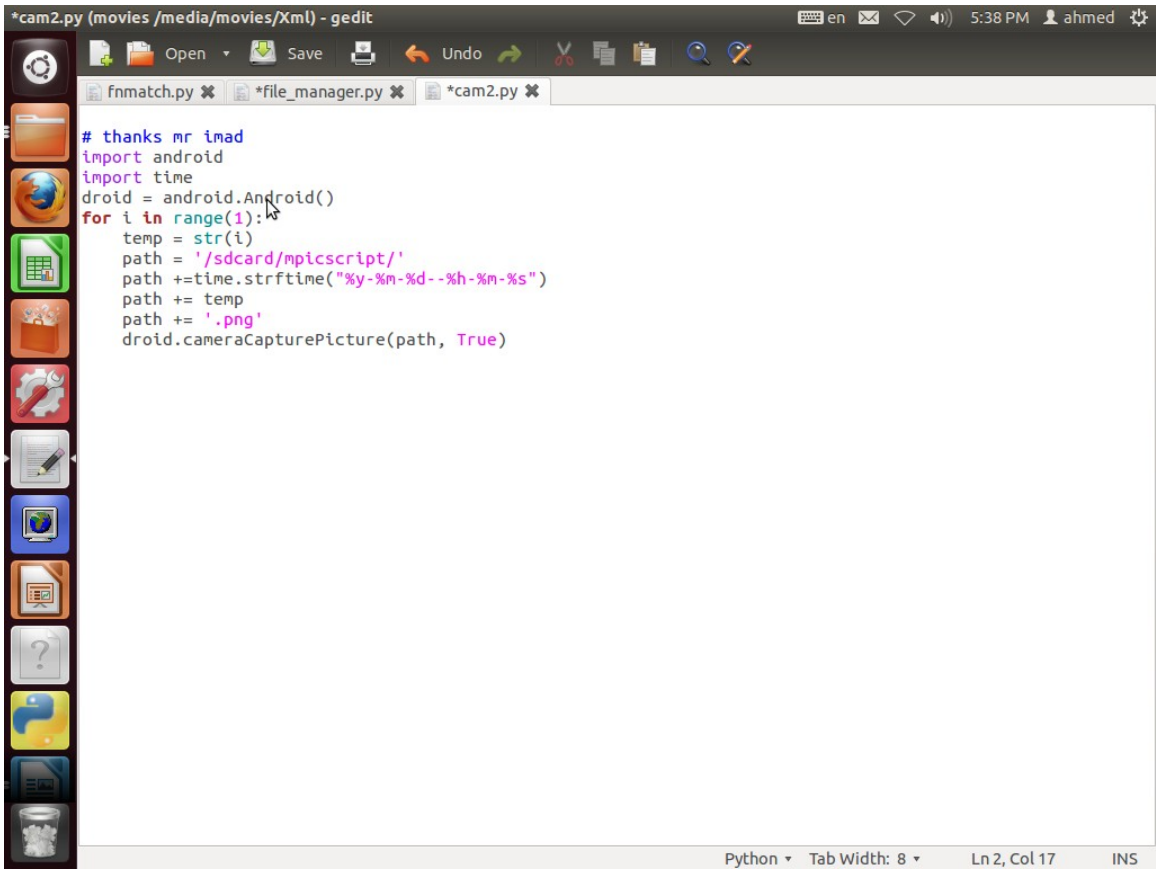
Python Tab Width: 8 Ln 12, Col 27 INS




fnmatch.py (movies /media/movies/Xml) - gedit
en
5:21 PM
ahmed
Open
Save
Undo
fnmatch.py
import fnmatch
import os
import android
droid=android.Android()
e=os.listdir("/sdcard")
w=os.listdir("/ext_card")
for file in e:
if fnmatch.fnmatch(file,"*.py"):
droid.makeToast("/sdcard/"+file)
for file in w:
if fnmatch.fnmatch(file,"*.txt"):
droid.makesToast("/ext_card/"+file)
Python
Tab Width: 8
Ln 10, Col 23
INS

```
import  android

import os.path

droid=android.Android()

droid.dialogCreateAlert("file manager ,"take
around")
droid.dialogSetSingleChoiceItems(os.listdir(

 " sdcard/"))

droid.dialogSetPositiveButtonText("ok")

droid.dialogSetNeutralButtonText("back")
droid.dialogShow()
droid.dialogGetResponse()
```

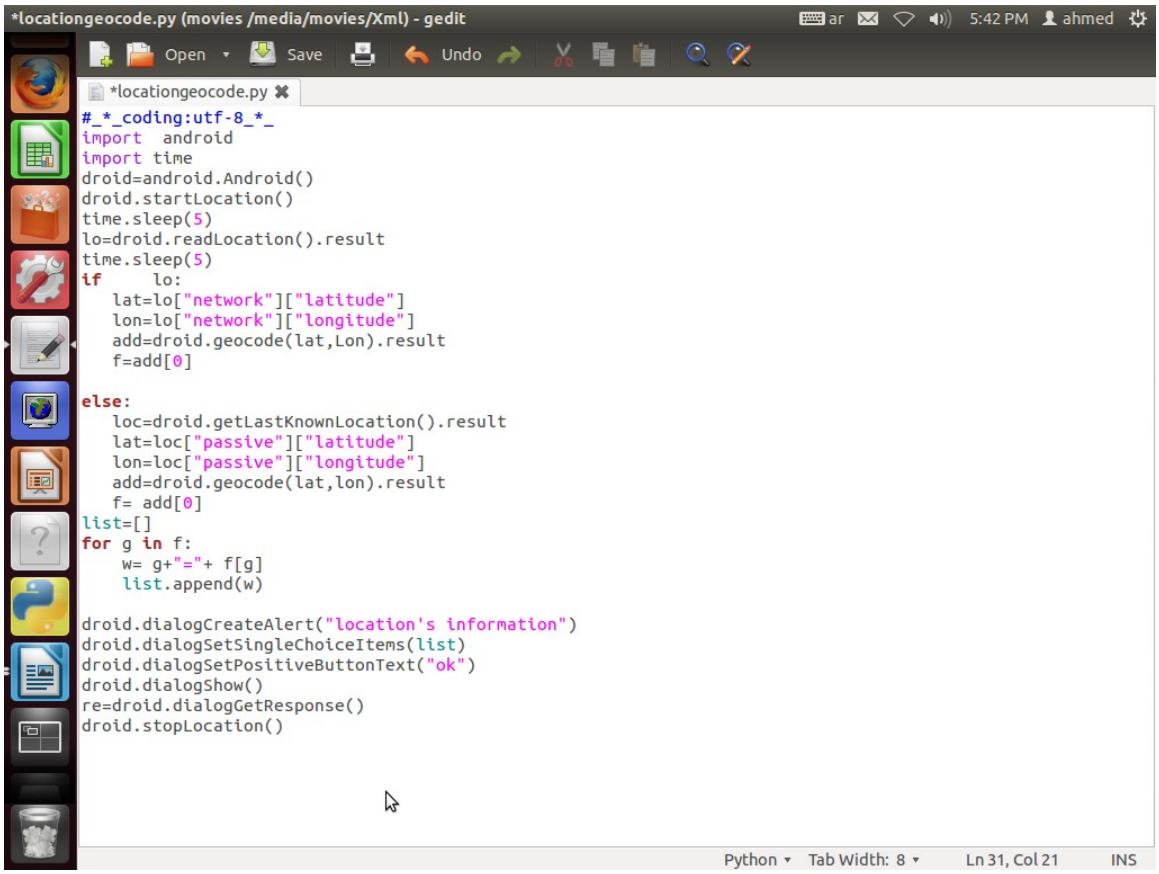
التقاط صوره#



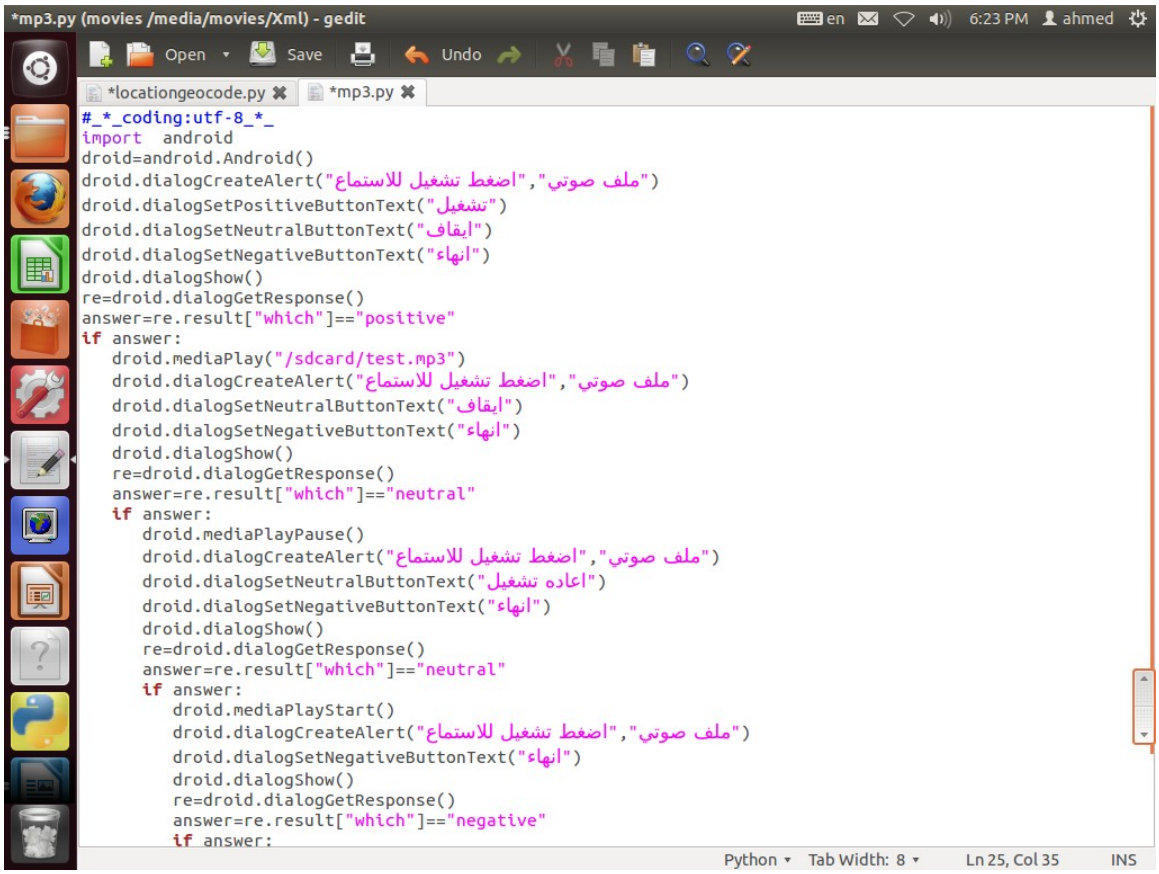

```
import  android

import time

droid=android.Android()
```

```
droid.startLocation()
time.sleep(5)

lo=droid.readLocation().result

time.sleep(5)

if     lo:
       lat=lo["network"]["latitude" ]

       lon=lo["network"]["longitude "]

      add=droid.geocode(lat,Lon).result

      f=add[0 ]

else:

    loc=droid.getLastKnownLocation()
 lat=loc["passive"]["latitude "]

    lon=loc["passive"]["longitude "]
```

```
    add=droid.geocode(lat,lon).result

    f= add[0 ]

list=[]
for g in f:

   w= g+"="+ f[g ]
   list.append(w  )



droid.dialogCreateAlert("location
information")

droid.dialogSetSingleChoiceItems(list)
droid.dialogSetPositiveButtonText("ok")
droid.dialogShow()
re=droid.dialogGetResponse()
droid.stopLocation()
```

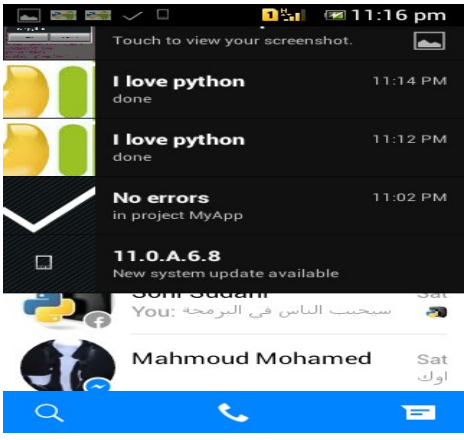


تشغيل ملف صوتي#




```
import android
```

```
droid=android.Android()
droid.notify("I love python","don")
```



testboo.py (ADVANCE /media/ADVANCE) - gedit

Open Save Undo

testboo.py

```
xml="""<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:background="#ffff0033">
    <EditText android:id="@+id/name"
      android:layout_width="fill_parent"
      android:layout_height="wrap_content" />
    <TextView android:id="@+id/result"
      android:layout_width="fill_parent"
      android:layout_height="wrap_content"
      android:text="email us"
      android:background="#ff3300ff"
      />
  <EditText android:id="@+id/cool"
      android:layout_width="fill_parent"
      android:layout_height="wrap_content"
      />
  </LinearLayout>"""
import android
droid=android.Android()
droid.fullShow(xml)
```

Python Tab Width: 8 Ln 1, Col 1 INS

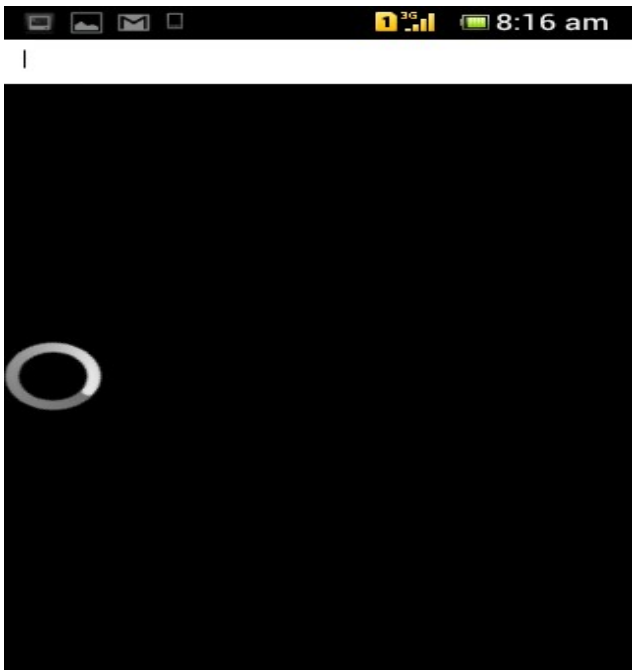
progress.py (movies /media/movies/Xml) - gedit

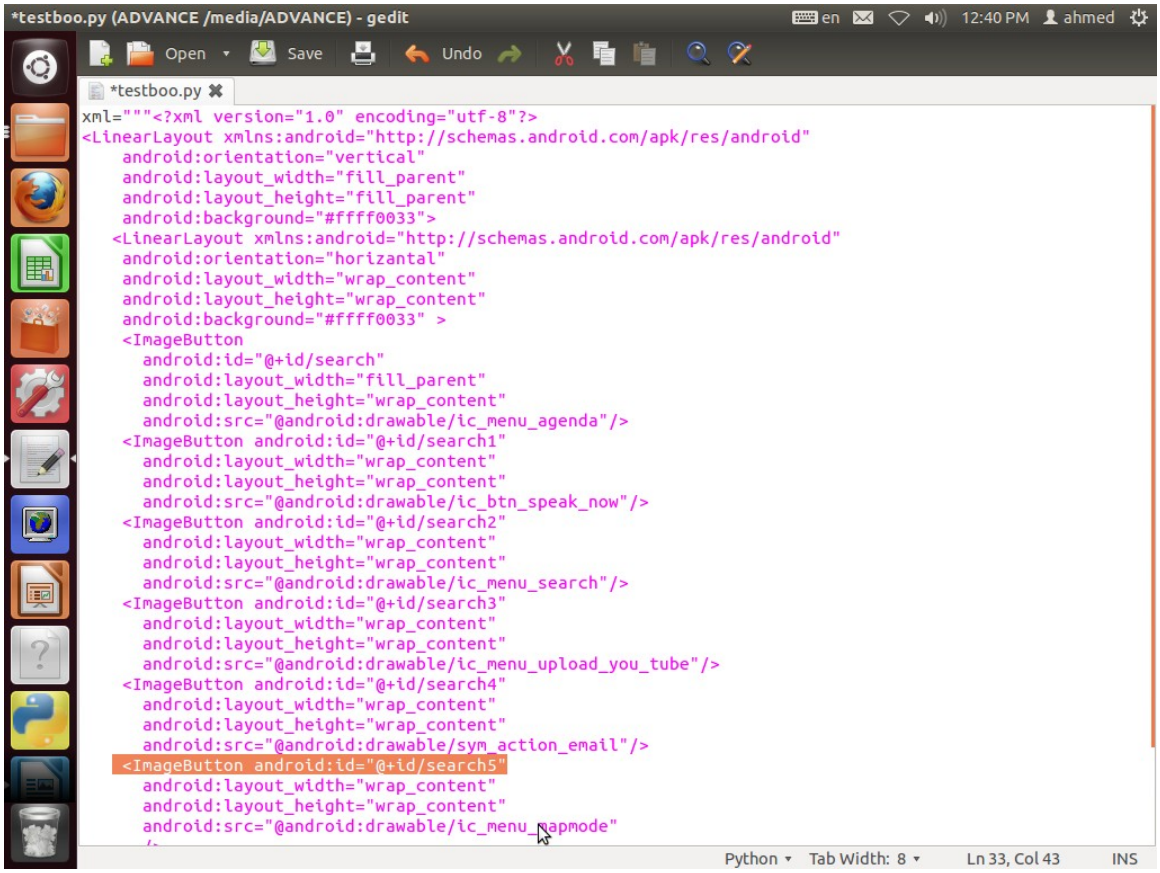
Open Save Undo

progress.py

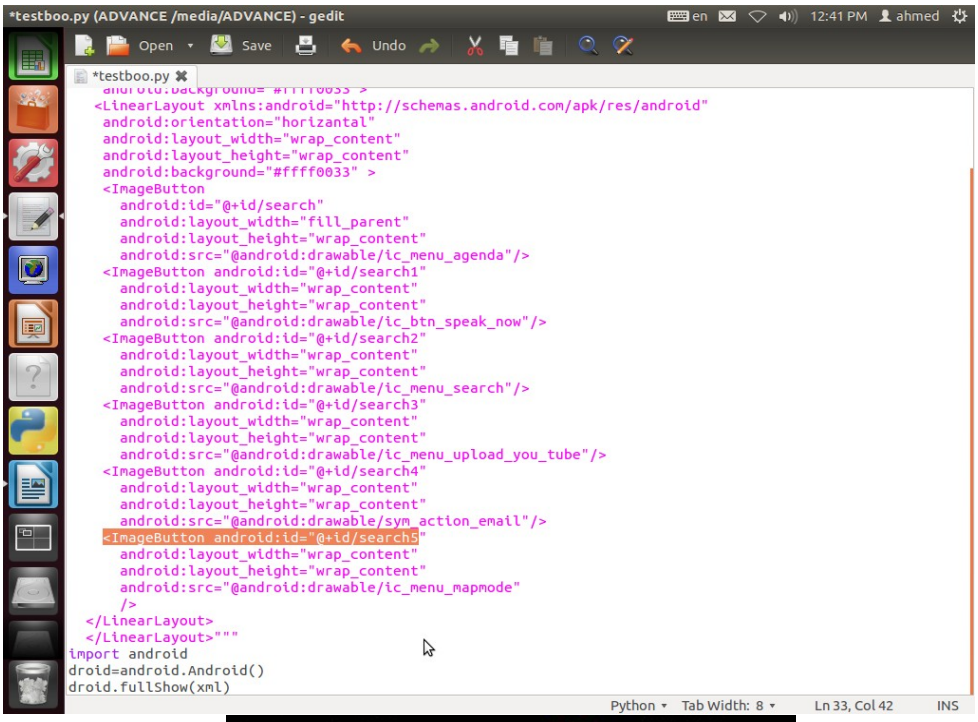
```
m="""<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:gravity="right"
     >

    <ProgressBar
        android:id="@+id/progressBar1"
        style="?android:attr/progressBarStyleLarge"
        android:layout_width="50dp"
        android:layout_height="match_parent" >
    </ProgressBar>

</LinearLayout>"""
import android
droid=android.Android()



droid.fullShow(m)
```

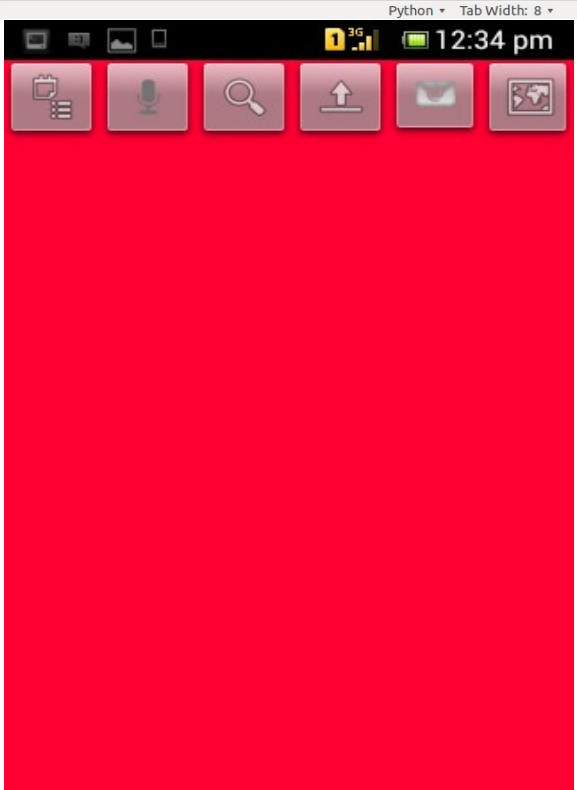
Python Tab Width: 8 Ln 1, Col 1 INS




*testboo.py (ADVANCE /media/ADVANCE) - gedit
en
12:40 PM
ahmed
Open
Save
Undo
*testboo.py
xml="""<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:orientation="vertical"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:background="#ffff0033">
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:orientation="horizantal"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:background="#ffff0033" >
<ImageButton
android:id="@+id/search"
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:src="@android:drawable/ic_menu_agenda"/>
<ImageButton android:id="@+id/search1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:src="@android:drawable/ic_btn_speak_now"/>
<ImageButton android:id="@+id/search2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:src="@android:drawable/ic_menu_search"/>
<ImageButton android:id="@+id/search3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:src="@android:drawable/ic_menu_upload_you_tube"/>
<ImageButton android:id="@+id/search4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:src="@android:drawable/sym_action_email"/>
<ImageButton android:id="@+id/search5"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:src="@android:drawable/ic_menu_mapmode"
Python
Tab Width: 8
Ln 33, Col 43
INS

با قي الاسكربت في الصوره التالية





ratebar.py (movies /media/movies/Xml) - gedit

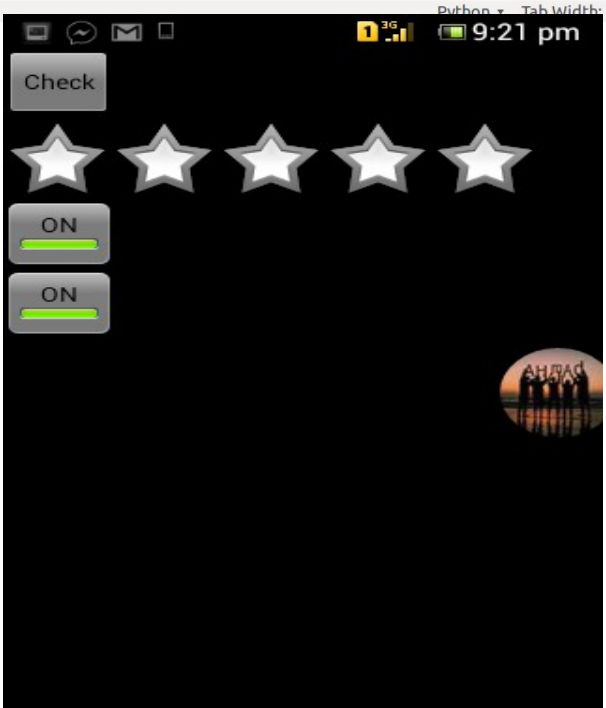
en 1:10 PM ahmed

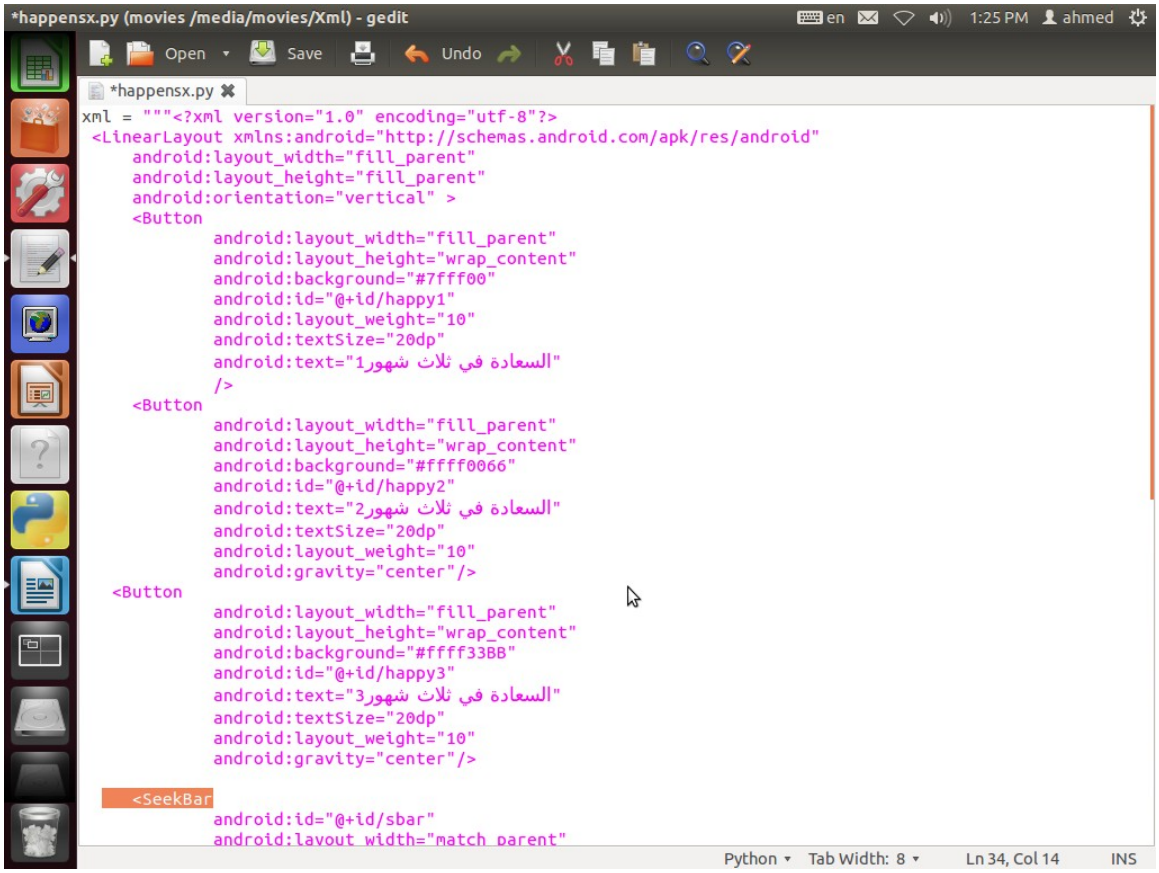
Open Save Undo

*testboo.py ratebar.py

```
m="""<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Check"
        android:onClick="onClick"
        />

    <RatingBar
        android:id="@+id/ratingBar1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content" />

    <ToggleButton
        android:id="@+id/toggleButton1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="USB" />

    <ToggleButton
        android:id="@+id/toggleButton2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="ACC" />

</LinearLayout>"""
import android
droid=android.Android()
droid.fullShow(m)
```

Python Tab Width: 8 Ln 34, Col 24 INS




*happensx.py (movies /media/movies/Xml) - gedit
en
1:25 PM
ahmed
Open
Save
Undo
*happensx.py
xml = """<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="fill_parent"
android:layout_height="fill_parent"
android:orientation="vertical" >
<Button
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:background="#7fff00"
android:id="@+id/happy1"
android:layout_weight="10"
android:textSize="20dp"
android:text="السعادة في ثلاث شهور1"
/>
<Button
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:background="#ffff0066"
android:id="@+id/happy2"
android:text="السعادة في ثلاث شهور2"
android:textSize="20dp"
android:layout_weight="10"
android:gravity="center"/>
<Button
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:background="#ffff33BB"
android:id="@+id/happy3"
android:text="السعادة في ثلاث شهور3"
android:textSize="20dp"
android:layout_weight="10"
android:gravity="center"/>
<SeekBar
android:id="@+id/sbar"
android:layout_width="match_parent"
Python
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Ln 34, Col 14
INS

*happensx.py (movies /media/movies/Xml) - gedit

Open Save Undo

*happensx.py

```
            android:gravity="center"/>

    <SeekBar
            android:id="@+id/sbar"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:max="510"
            android:progress="256"/>

    <Button
            android:id="@+id/stop"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:text="ايقاف"/>
    <Button
            android:id="@+id/restart"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:text="اعادة تشغيل"/>

    <Button
            android:id="@+id/quit"
            android:layout_width="fill_parent"
            android:layout_height="wrap_content"
            android:text="انهاء"/>

 </LinearLayout>"""
import android
droid=android.Android()

droid.fullShow(xml)

main()
droid.fullDismiss()
```

Python Tab Width: 8 Ln 34, Col 15 INS

تم بحمد الله.....

شكر خاص للاستاذ احمد
العرا قي
والاستاذ imad bouhouche

لاتنسونا بخالص وصالح
دعواتكم.

للمتابعة يشرفنا انضمامكم للجروب

و السلام عليكم ورحمة الله