



Python on Android



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github.com/xfast/PythonAndroid

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My code on a phone

- Is cool
- Was too painful to write in the past...
- Now you can write/run python on Android

Scripting Layer for Android = SL4A

- <http://code.google.com/p/android-scripting/>
- Install on the phone:
 1. Allow Settings->Applications->Unknown Sources
 2. Browse to android-scripting page, click on QR code
 3. Run SL4A and add a python shell
- See videos

Bar-code reader

```
import android
droid = android.Android()
code = droid.scanBarcode()
isbn = int(code['result']['SCAN_RESULT'])
url = "http://books.google.com?q=%d" % isbn
droid.startActivity
('android.intent.action.VIEW', url)
```

```
def say_weather(droid):
```

```
    location = droid.getLastKnownLocation().result
```

```
    addresses = droid.geocode(location['latitude'], location['longitude'])
```

```
    zip = addresses.result[0]['postal_code']
```

```
    if zip is None:
```

```
        msg = 'Failed to find zip code.'
```

```
        result = forecast.get_weather_from_google(zip)
```

```
        # Format the result for speech.
```

```
        msg = 'On %(fdate)s %(city)s is %(ccondition)s %(ctemp)s degrees and %(cwind)s %(fday)s  
forecast is %(fcondition)s from %(flow)s to %(fhhigh)s fahrenheit.' % result
```

```
    droid.speak(msg)
```