


Prerequisites
Software (Python 3.6.5)

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Project Name	Project – Smart waste management system



The screenshot shows a Windows application window titled "Python 3.6.5 Shell". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main text area displays the following information: "Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 17:00:18) [MSC v.1900 64 bit (AMD64)] on win32". Below this, it says "Type 'copyright', 'credits' or 'license()' for more information." and shows the prompt ">>>" with a cursor. On the left side of the window, there is a vertical toolbar with a button labeled "Screenshot". The status bar at the bottom right indicates "Ln: 3 Col: 4".

```
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 17:00:18) [MSC v.1900 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
```



Program & Output in Python IDLE 3.6.5 - 64bit

```
pylot.py - E:/IBM/Others/Prerequisites/pylot.py (3.6.5)
File Edit Format Run Options Window Help

import random
import time
while(True):
    temperature = round(random.uniform(30,40),1)
    print("Temperature : "+str(temperature))
    humidity = random.randint(10,80)
    print("Humidity : "+str(humidity)+"\n")

    if(temperature > 36.5 and temperature < 37.5):
        print("Normal Body Temperature")
    else:
        print("Abnormal Body Temperature")

    if(humidity > 30 and humidity < 60):
        print("Normal Humidity")
    else:
        print("Abnormal Humidity")
    if((temperature > 36.5 and temperature < 37.5) and (humidity > 30 and humidity < 60)):
        print("All is good, Stay Healthy !!")

    time.sleep(1)
    print(".....")
```

Ln: 5 Col: 11

```
"Python 3.6.5 Shell"
File Edit Shell Debug Options Window Help
-----
Temperature : 35.7
Humidity : 11

Abnormal Body Temperature
Abnormal Humidity
-----
Temperature : 34.4
Humidity : 56

Abnormal Body Temperature
Normal Humidity
-----
Temperature : 39.5
Humidity : 10

Abnormal Body Temperature
Abnormal Humidity
-----
Temperature : 37.2
Humidity : 64

Normal Body Temperature
Abnormal Humidity
-----
Ln: 5 Col: 0
```