

**Prerequisites**  
**Software ( Python 3.6.5 )**

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Project Name	SMART SOLUTION FOR RAILWAYS

**SMART SOLUTION FOR RAILWAYS**

A screenshot of the Python 3.6.5 Shell window. The title bar says "Python 3.6.5 Shell". The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The main window displays the text: "Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 17:00:18) [MSC v.1900 64 bit (AMD64)] on win32" and "Type "copyright", "credits" or "license()" for more information." A cursor is visible at the start of a line that begins with ">>>". The status bar at the bottom shows "Ln: 3 Col: 4", "Cloudy 27°C", "ENG IN", "2:53 PM", and the date "11/3/2022".

## 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

Rain ☔ ENG IN 2:46 PM 11/3/2022

```
* * * * * 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

Rain ☔ ENG IN 2:47 PM 11/3/2022