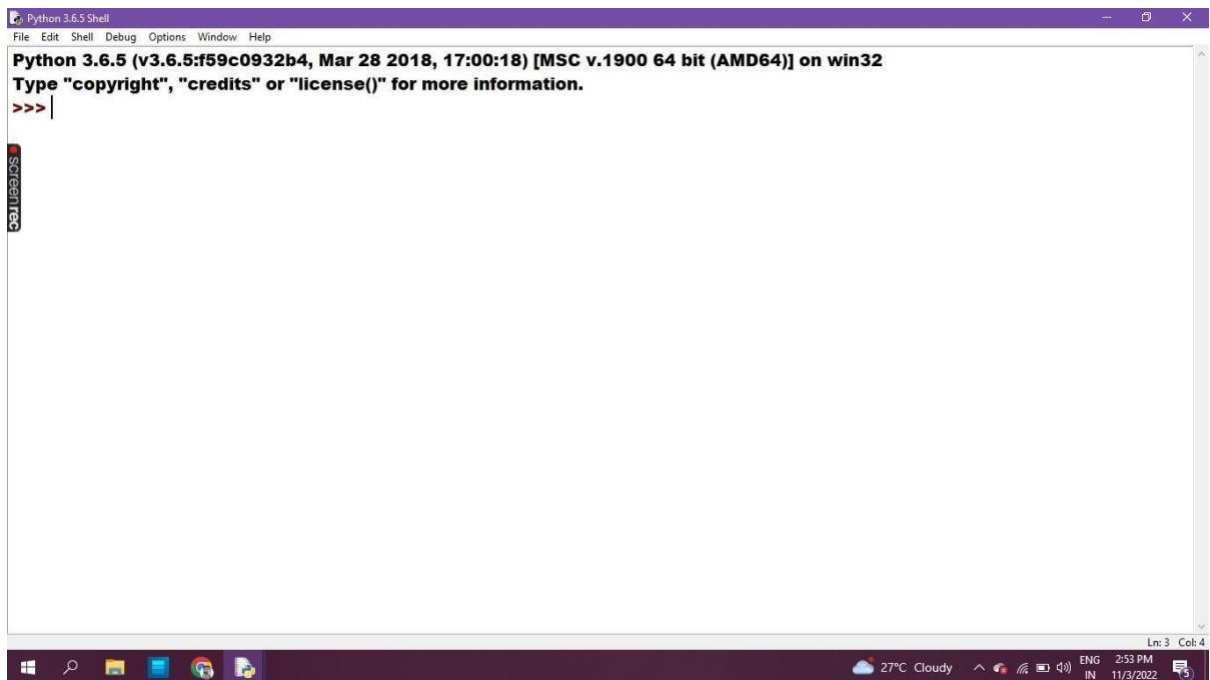


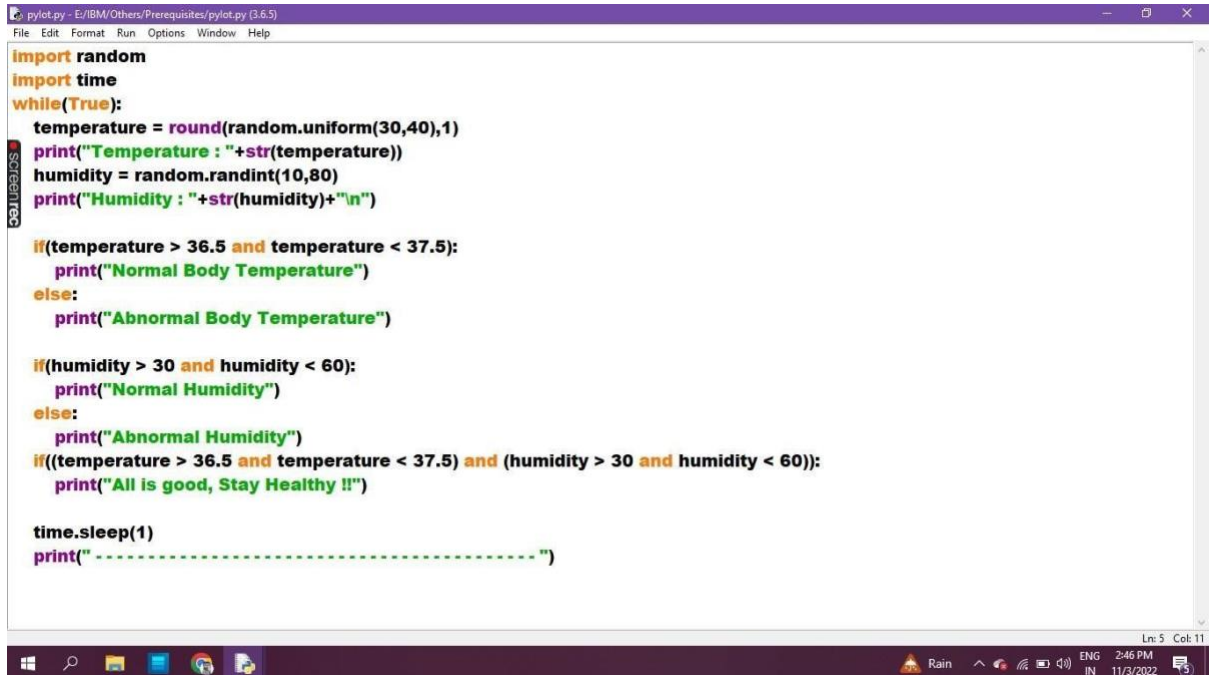
Prerequisites
Software (Python 3.6.5)

Date	5 November 2022
Team ID	PNT2022TMID05234
Project Name	SMART SOLUTION FOR RAILWAYS
Maximum Marks	4 Marks

SMART SOLUTION FOR RAILWAYS



Program & Output in Python IDLE 3.6.5 - 64bit



The screenshot shows the Python IDLE 3.6.5 interface. The title bar reads 'pylot.py - E:/IBM/Others/Prerequisites/pylot.py (3.6.5)'. The menu bar includes 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code editor contains the following Python script:

```
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("-----")
```

The status bar at the bottom right indicates 'Ln: 5 Col: 11'. The Windows taskbar at the bottom shows the Start button, search icon, task view icon, and several application icons. The system tray on the right includes a weather icon showing 'Rain', network and volume icons, and a clock displaying '2:46 PM' and '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
```