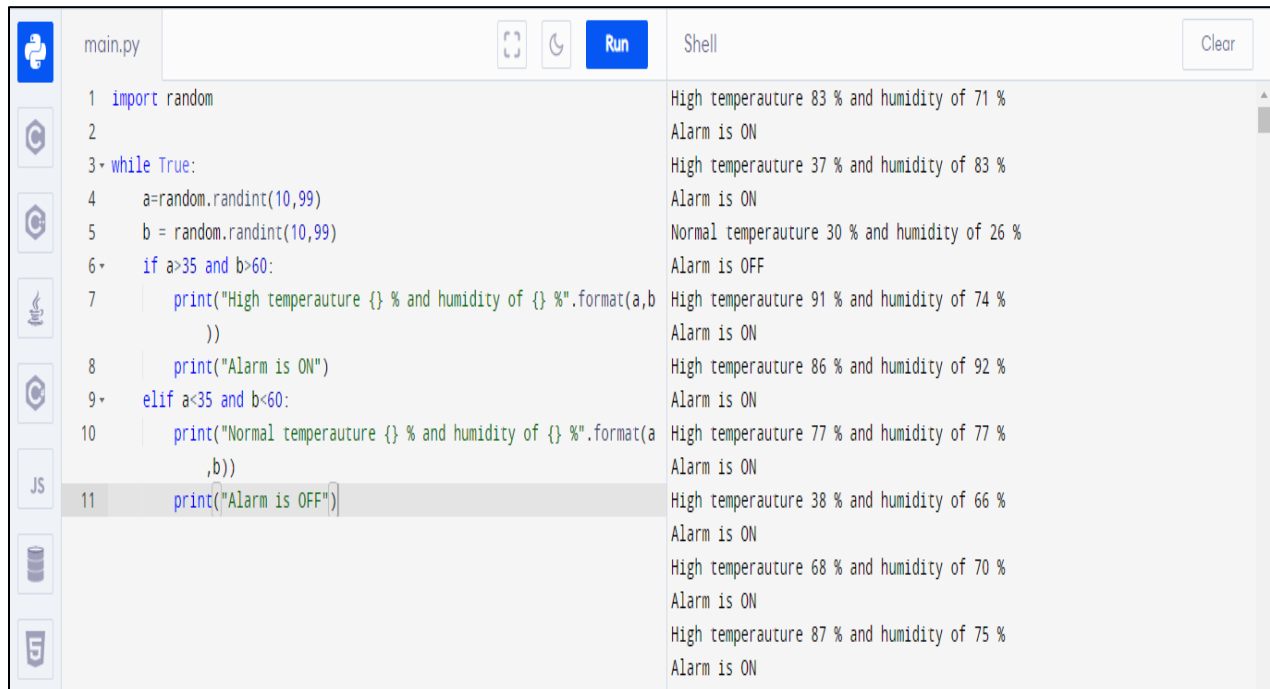


ASSIGNMENT – 02

NAME: BALA SURYA S

REGISTER NUMBER: CITC1904005

TEAM ID: PNT2022TMID52751



The screenshot shows a Python IDE with a file named 'main.py'. The code is a while loop that generates random temperature and humidity values and prints them. It also includes conditional logic to print 'Alarm is ON' or 'Alarm is OFF' based on the values. The output in the shell shows the results of the script's execution.

```
main.py
1 import random
2
3 while True:
4     a=random.randint(10,99)
5     b = random.randint(10,99)
6     if a>35 and b>60:
7         print("High temperature {} % and humidity of {} %".format(a,b))
8         print("Alarm is ON")
9     elif a<35 and b<60:
10        print("Normal temperature {} % and humidity of {} %".format(a,b))
11        print("Alarm is OFF")
```

Shell

```
High temperature 83 % and humidity of 71 %
Alarm is ON
High temperature 37 % and humidity of 83 %
Alarm is ON
Normal temperature 30 % and humidity of 26 %
Alarm is OFF
High temperature 91 % and humidity of 74 %
Alarm is ON
High temperature 86 % and humidity of 92 %
Alarm is ON
High temperature 77 % and humidity of 77 %
Alarm is ON
High temperature 38 % and humidity of 66 %
Alarm is ON
High temperature 68 % and humidity of 70 %
Alarm is ON
High temperature 87 % and humidity of 75 %
Alarm is ON
```