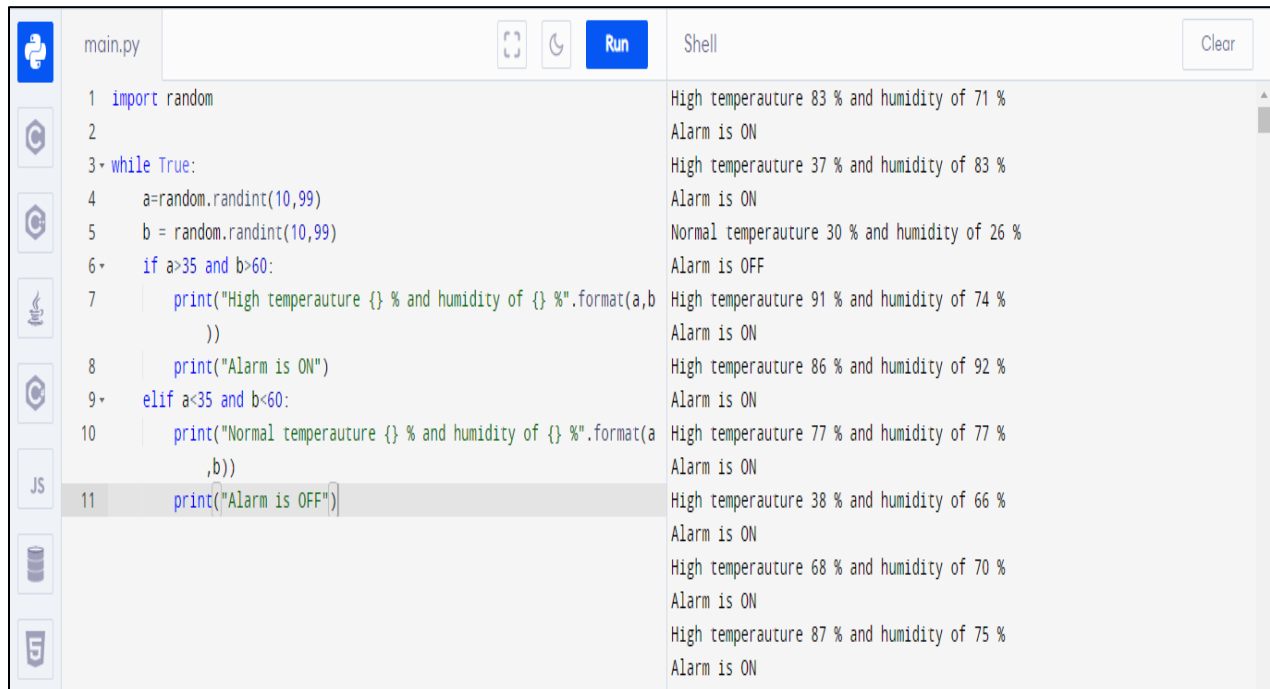


## ASSIGNMENT – 02

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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 uses conditional logic to determine if the alarm is ON or OFF based on the temperature and humidity values.

```
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")
```

The output in the Shell window shows the following sequence of events:

- 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