

Assignment -2

Python Programming

Assignment Date	27 September 2022
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Maximum Marks	2 Marks

Question-1:

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

SOLUTION:

Import random as rd

While 1:

```
A=rd.randint(10,100)
```

```
B= rd.randint(10,100)
```

```
If a>=80:
```

```
    if b>80:
```

```
        Print("Hazard")
```

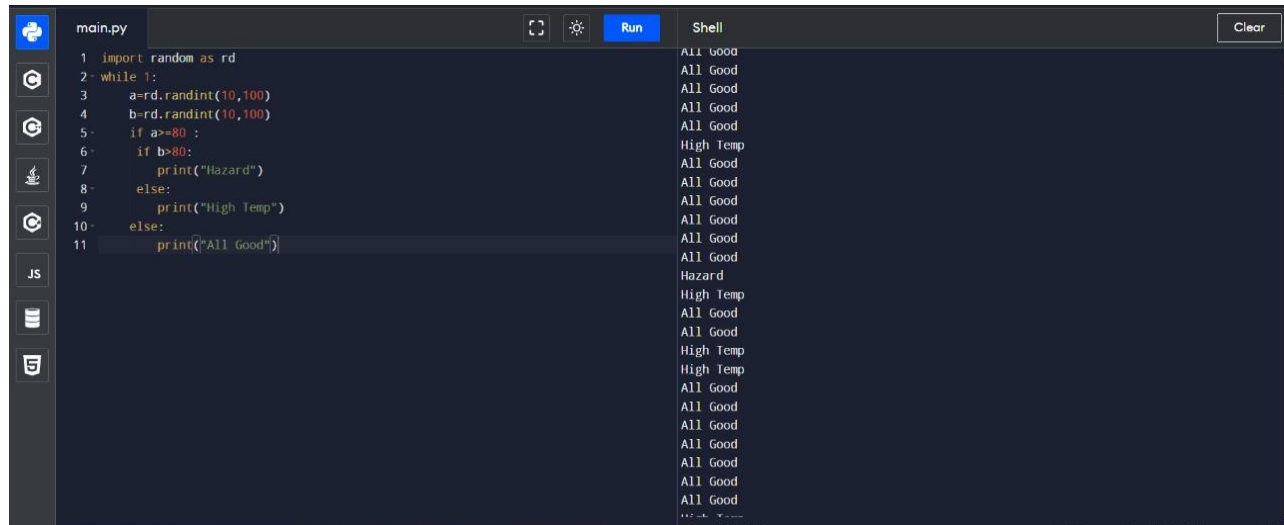
```
    else:
```

```
        print("High Temp")
```

```
else:
```

```
    print("All Good")
```

IMPLEMENTATION:



The image shows a code editor interface with a dark theme. On the left, there is a sidebar with icons for file explorer, search, and other tools. The main area is divided into two panes. The left pane, titled 'main.py', contains a Python script. The right pane, titled 'Shell', shows the output of the script. The script is as follows:

```
1 import random as rd
2 while 1:
3     a=rd.randint(10,100)
4     b=rd.randint(10,100)
5     if a>=80 :
6         if b>80:
7             print("Hazard")
8         else:
9             print("High Temp")
10    else:
11        print("All Good")
```

The output in the Shell pane shows the results of the script's execution. It consists of a series of lines, each representing the output of a single iteration of the while loop. The output is as follows:

```
All Good
All Good
All Good
All Good
All Good
High Temp
All Good
All Good
All Good
All Good
All Good
Hazard
High Temp
All Good
All Good
High Temp
High Temp
All Good
All Good
All Good
All Good
All Good
All Good
All Good
All Good
All Good
```