

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")
```

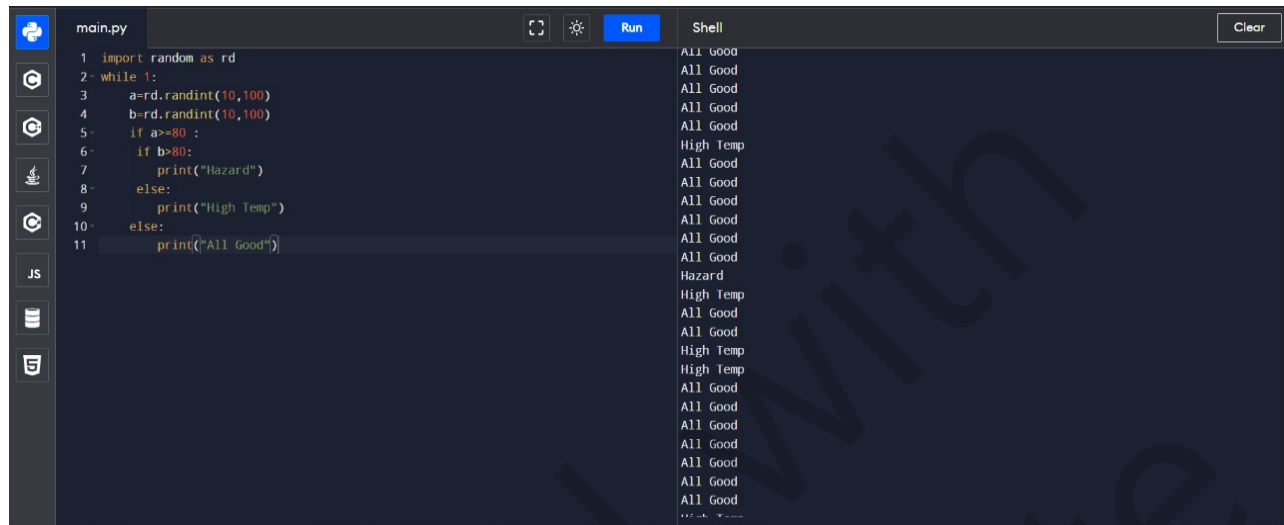
```
    else:
```

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

```
else:
```

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

IMPLEMENTATION:



The screenshot shows a code editor 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 shows a Python script named 'main.py' with the following code:

```
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 right pane, titled 'Shell', shows the output of the script. It contains a list of 20 lines of text, which are the results of the random number generation and conditional checks. 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
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
```

A large, semi-transparent watermark 'Created with OfficeSuite' is visible across the bottom half of the image.