

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")
```

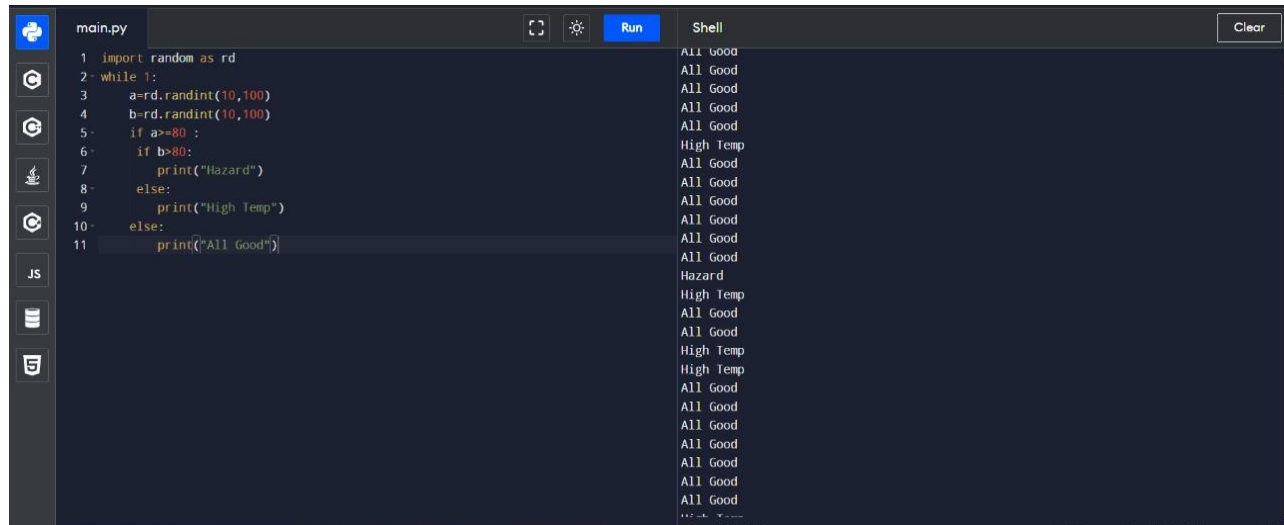
```
    else:
```

```
        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 management and a list of files including 'main.py', 'JS', and a folder icon. The main area is split into two panes. The left pane displays 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
```

The 'Run' button is visible above the shell pane, and a 'Clear' button is located in the top right corner of the shell pane.