

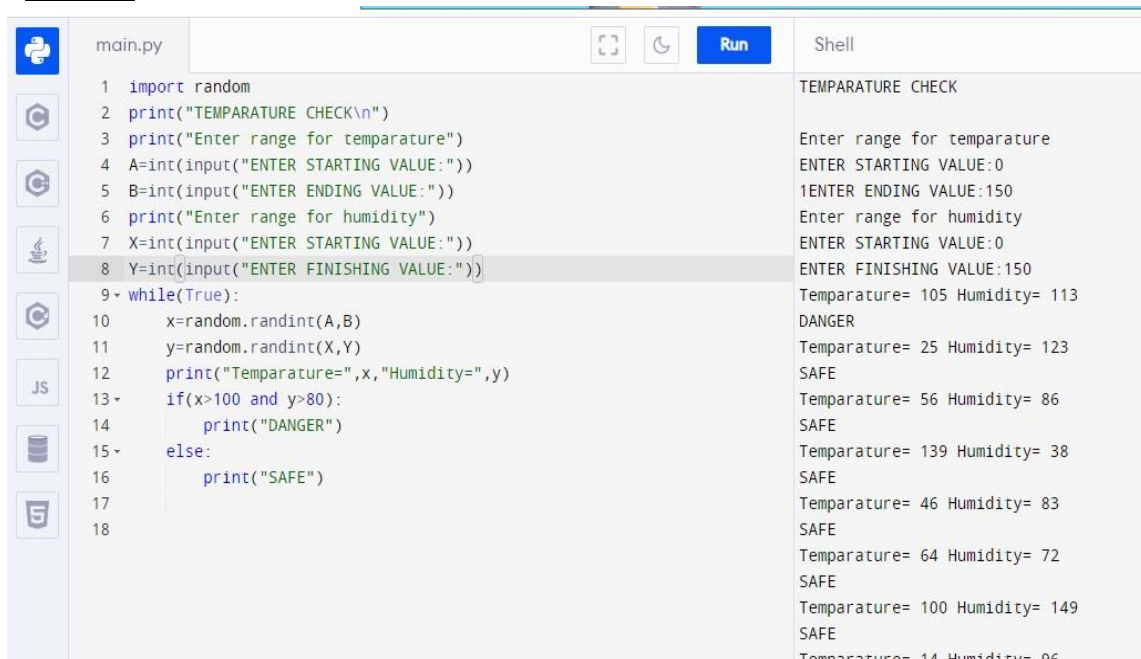
Assignment -2
To get temperature and humidity value

Assignment Date	26 September 2022
Student Name	Ms. Vishali S
Student Roll Number	9517201903175
Maximum Marks	2 Marks

Question-1:

Python program to get temperature and humidity values with random function variable and write condition to continuously detect alarm in case of high temperature.

Solution:



```
1 import random
2 print("TEMPERATURE CHECK\n")
3 print("Enter range for temperature")
4 A=int(input("ENTER STARTING VALUE:"))
5 B=int(input("ENTER ENDING VALUE:"))
6 print("Enter range for humidity")
7 X=int(input("ENTER STARTING VALUE:"))
8 Y=int(input("ENTER FINISHING VALUE:"))
9 while(True):
10     x=random.randint(A,B)
11     y=random.randint(X,Y)
12     print("Temperature=",x,"Humidity=",y)
13     if(x>100 and y>80):
14         print("DANGER")
15     else:
16         print("SAFE")
17
18
```

CODE:

```
import random print("TEMPERATURE CHECK\n") print("Enter range for temperature")
```

```
A=int(input("ENTER STARTING VALUE:"))
```

```
B=int(input("ENTER ENDING VALUE:")) print("Enter  
range for humidity")
```

```
X=int(input("ENTER STARTING VALUE:"))
```

```
Y=int(input("ENTER FINISHING VALUE:"))
```

```
while(True):
```

```
    x=random.randint(A,B) y=random.randint(X,Y)
print("Temperature=",x,"Humidity=",y) if(x>100
and y>80): print("DANGER")
```

```
    else:
print("SAFE")
```

