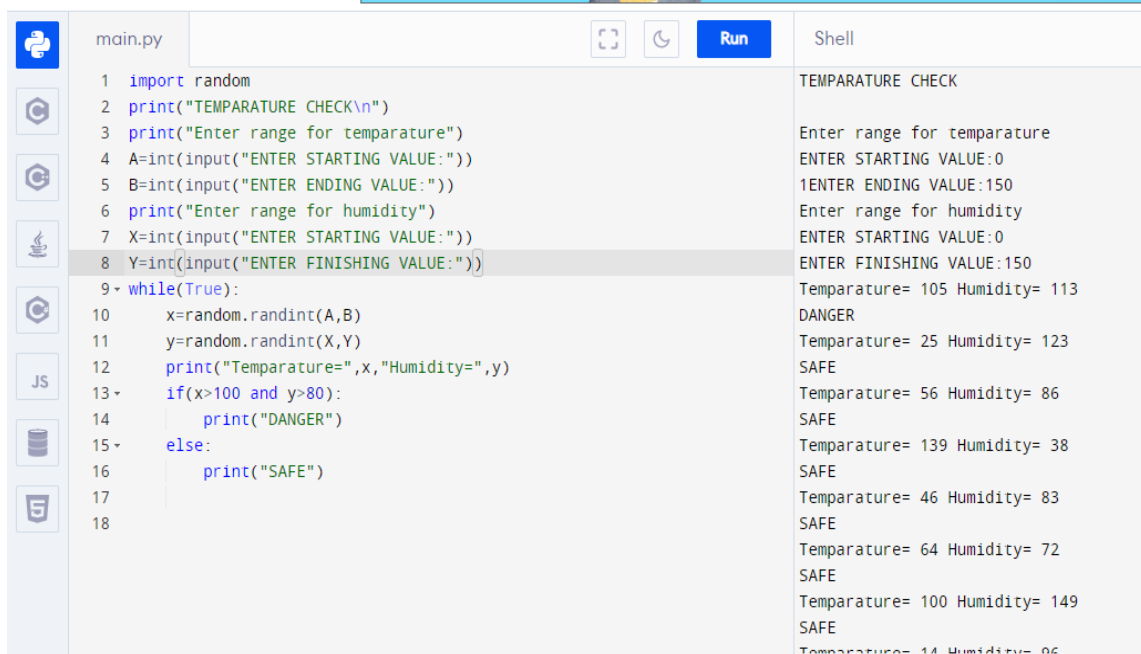


# ASSIGNMENT 2



```
main.py
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
```

Shell

TEMPERATURE CHECK

Enter range for temperature

ENTER STARTING VALUE:0

ENTER ENDING VALUE:150

Enter range for humidity

ENTER STARTING VALUE:0

ENTER FINISHING VALUE:150

Temperature= 105 Humidity= 113

DANGER

Temperature= 25 Humidity= 123

SAFE

Temperature= 56 Humidity= 86

SAFE

Temperature= 139 Humidity= 38

SAFE

Temperature= 46 Humidity= 83

SAFE

Temperature= 64 Humidity= 72

SAFE

Temperature= 100 Humidity= 149

SAFE

Temperature= 14 Humidity= 96

## 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")
```