

ASSIGNMENT 2

NAME : SRINITHI V

ROLL NO : 737819ECR187

PROGRAM :

```
print("ASSIGNMENT 2")
print("NAME : SRINITHI V")
print("ROLL NO : 737819ECR187")
print()

import random
print("TEMPERATURE VALUES")
start_temperature=int(input("enter starting value : "))
end_temperature=int(input("enter ending value : "))
temperature =
random.randint(start_temperature,end_temperature)

print("HUMIDITY VALUES")
start_humidity=int(input("enter starting value : "))
end_humidity=int(input("enter ending value : "))
humidity = random.randint(start_humidity,end_humidity)

print("TEMPERATURE : ",temperature)
print("HUMIDITY : ",humidity)
```

```
if(temperature>800 | humidity>500):
```

```
    print("DANGEOROUS!!!")
```

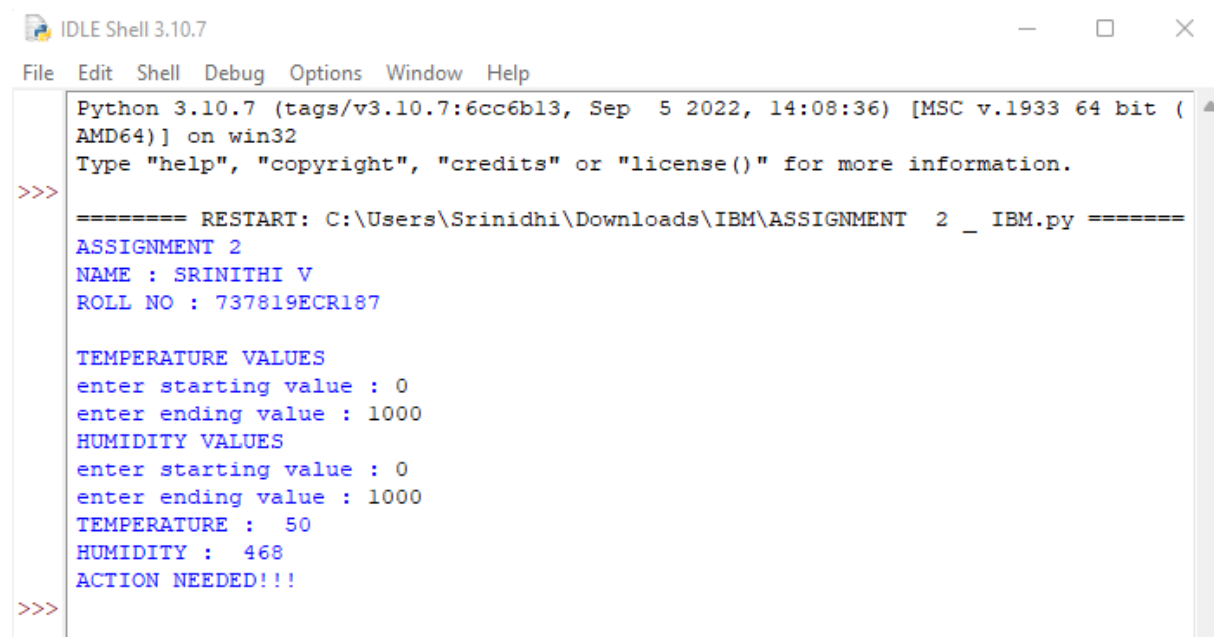
```
elif ((temperature>500&temperature<800 )|  
(humidity>200&humidity<500)):
```

```
    print("ACTION NEEDED!!!")
```

```
else:
```

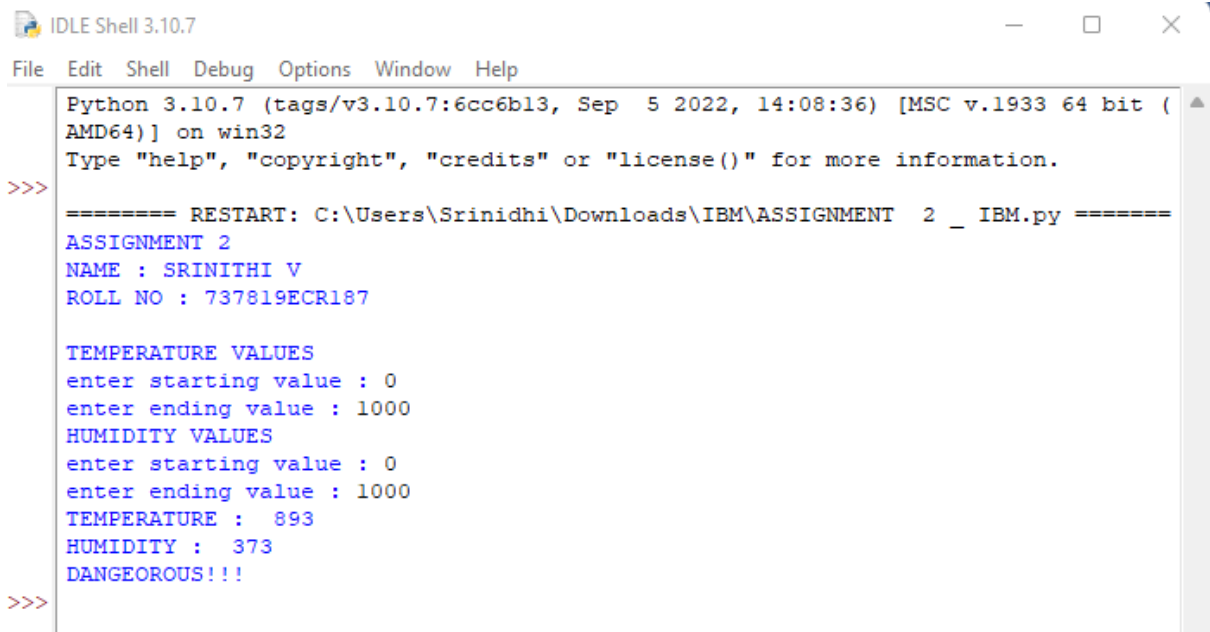
```
    print("NORMAL...")
```

OUTPUT :



```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep  5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Srinidhi\Downloads\IBM\ASSIGNMENT 2 _ IBM.py =====
ASSIGNMENT 2
NAME : SRINITHI V
ROLL NO : 737819ECR187

TEMPERATURE VALUES
enter starting value : 0
enter ending value : 1000
HUMIDITY VALUES
enter starting value : 0
enter ending value : 1000
TEMPERATURE : 50
HUMIDITY : 468
ACTION NEEDED!!!
>>>
```



The screenshot shows a window titled "IDLE Shell 3.10.7" with a standard menu bar (File, Edit, Shell, Debug, Options, Window, Help). The shell displays the output of a Python script. The first line indicates the Python version and architecture. The second line is a prompt for help. The third line is a separator line. The fourth line is the script title. The fifth line shows the user's name. The sixth line shows the user's roll number. The seventh line is a section header. The eighth line is a prompt for the starting temperature value. The ninth line is a prompt for the ending temperature value. The tenth line is a section header. The eleventh line is a prompt for the starting humidity value. The twelfth line is a prompt for the ending humidity value. The thirteenth line shows the temperature value. The fourteenth line shows the humidity value. The fifteenth line is a warning message. The prompt is shown at the end of the output.

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Srinidhi\Downloads\IBM\ASSIGNMENT 2 _ IBM.py =====
ASSIGNMENT 2
NAME : SRINITHI V
ROLL NO : 737819ECR187

TEMPERATURE VALUES
enter starting value : 0
enter ending value : 1000
HUMIDITY VALUES
enter starting value : 0
enter ending value : 1000
TEMPERATURE : 893
HUMIDITY : 373
DANGEOROUS!!!
>>>
```