

Personal Assistance for Seniors Who Are Self-Reliant

Assignment – II

Topic : PYTHON CODE TO GET TEMPERATURE AND HUMIDITY VALUE

Code:

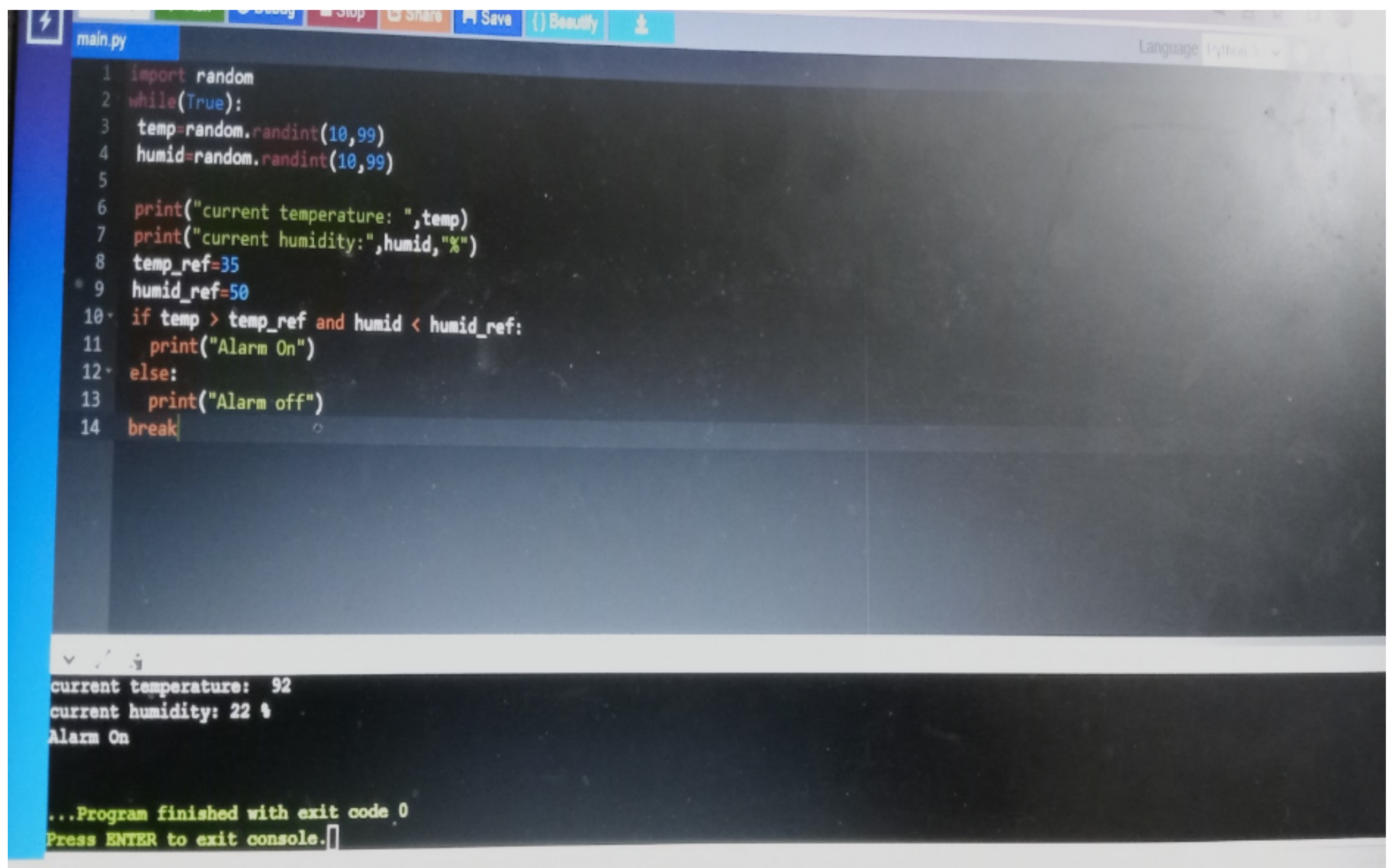
```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)

    print("current temperature: ",temp)
    print("current humidity:",humid,"%")
    temp_ref=35
    humid_ref=50
    if temp > temp_ref and humid < humid_ref:
```

```
    print("Alarm On")
else:
    print("Alarm off")
break
```

OUTPUT

ALARM OFF

A screenshot of a Python IDE window titled 'main.py'. The code is as follows:

```
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humid=random.randint(10,99)
5
6     print("current temperature: ",temp)
7     print("current humidity:",humid,"%")
8     temp_ref=35
9     humid_ref=50
10    if temp > temp_ref and humid < humid_ref:
11        print("Alarm On")
12    else:
13        print("Alarm off")
14    break
```

The output console at the bottom shows:

```
current temperature: 92
current humidity: 22 %
Alarm On
...Program finished with exit code 0
Press ENTER to exit console.
```

ALARM ON

```
main.py
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humid=random.randint(10,99)
5
6     print("current temperature: ",temp)
7     print("current humidity:",humid,"%")
8     temp_ref=35
9     humid_ref=50
10    if temp > temp_ref and humid < humid_ref:
11        print("Alarm On")
12    else:
13        print("Alarm off")
14    break

current temperature: 92
current humidity: 22 %
Alarm On

...Program finished with exit code 0
```