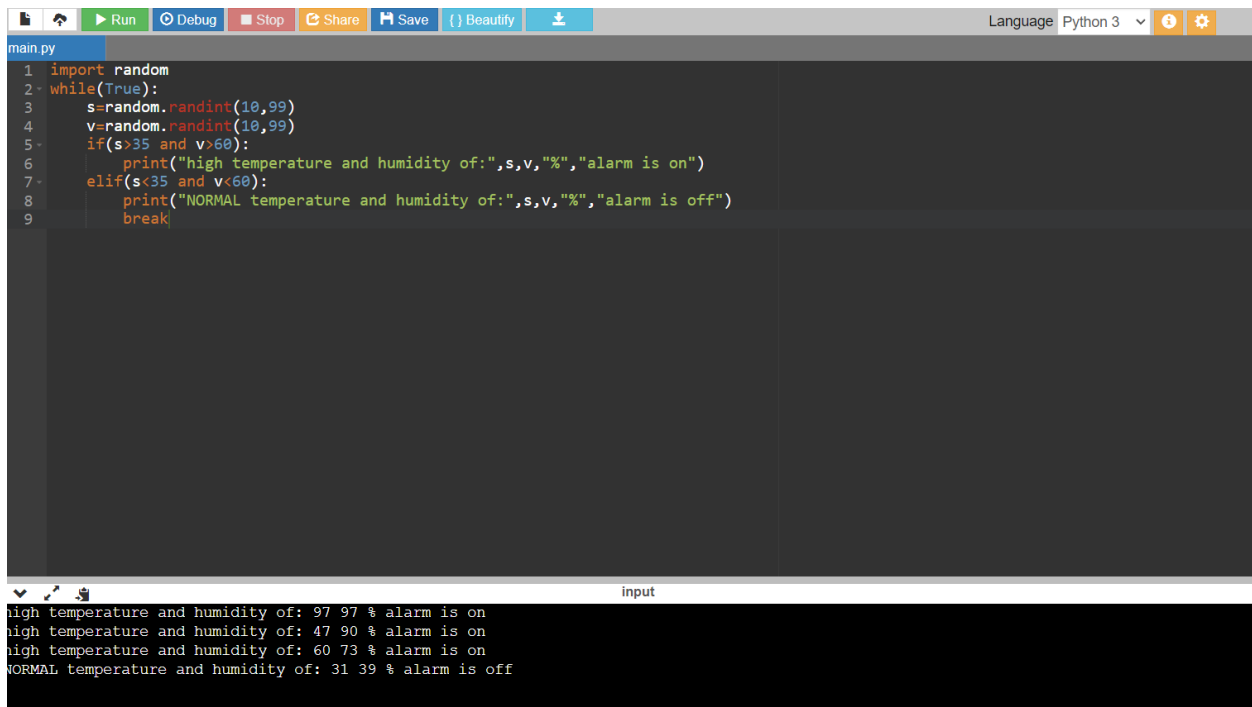


BATCH NO : B6-6M2E

TOPIC : IOT BASED SAFETY  
GADGET FOR CHILD SAFETY  
MONITORING AND NOTIFICATION

ASSIGNMENT 2 : ASSIGNMENT ON  
TEMPERATURE AND HUMIDITY SENSING  
AND ALARM AUTOMATION USING  
PYTHON CODE

A screenshot of a Python IDE interface. The top toolbar includes buttons for Run, Debug, Stop, Share, Save, and a Beauty button. The language is set to Python 3. The code in the editor is as follows:

```
1 import random
2 while(True):
3     s=random.randint(10,99)
4     v=random.randint(10,99)
5     if(s>35 and v>60):
6         print("high temperature and humidity of:",s,v,"%","alarm is on")
7     elif(s<35 and v<60):
8         print("NORMAL temperature and humidity of:",s,v,"%","alarm is off")
9     break
```

The output window at the bottom shows the following results:

```
high temperature and humidity of: 97 97 % alarm is on
high temperature and humidity of: 47 90 % alarm is on
high temperature and humidity of: 60 73 % alarm is on
NORMAL temperature and humidity of: 31 39 % alarm is off
```

CODE :

```
import random
while(True):
```

```
s=random.randint(10,99)
v=random.randint(10,99)
if(s>35 and v>60):
    print("high temperature and humidity
of:",s,v,"%","alarm is on")
elif(s<35 and v<60):
    print("NORMAL temperature and humidity
of:",s,v,"%","alarm is off")
    break
```