Assignment-2

```
Pythoncode importrandom
x=random.randint(1,100)
y=random.randint(1,50)
print("randomtemperatureandhumidityreading"
) if((x<50)&(y<30)):
  print("temperatureisnormal:",x,"%")
  print("humidityisnormal:",y,"%")
  print("AlarmOff")
elif((x<50)&(y>30)):
  print("temperatureislow:",x,"%")
  print("humidityishigh:",y,"%")
  print("AlarmOff")
elif((x>50)&(y<30)):
  print("temperatureishigh:",x,"%")
  print("humidityishigh:",y,"%")
  print("AlarmOn")
elif((x>50)&(y>30)):
  print("temperatureishigh:",x,"%")
  print("humidityislow:",y,"%") print("AlarmOn")
else:
```

```
print("temperatureisverylow:",x,"%")
print("humidityisverylow:",y,"%")
print("AlarmOff")
```

Output