Assignment -2 BATCH NO :B9-3A5E

Assignment Date	29 September 2022
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Python code

```
import random
x=random.randint (1,100)
y=random.randint (1,50)
print("random temperature and humidity reading")
if( (x<50) & (y<30)):
 print ("temperature is normal:",x,"%")
 print ("humidity is normal:",y,"%")
 print ("Alarm Off")
elif( (x<50) & (y>30)):
 print("temperature is low:",x,"%")
 print ("humidity is high:",y,"%")
 print("Alarm Off")
elif( (x>50) & (y<30)):
 print("temperature is high:",x,"%")
 print ("humidity is high:",y,"%")
 print ("Alarm On")
elif( (x>50) & (y>30)):
 print("temperature is high:",x,"%")
 print ("humidity is low:",y,"%")
 print ("Alarm On")
```

```
else:
```

```
print("temperature is very low:",x,"%")
print ("humidity is very low:",y,"%")
print("Alarm Off")
```

Output

