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ECE(B)

PROBLEM STATEMENT:

- To simulate real-time temperature monitoring
- To understand conditional statements in Python
- To use random number generation for simulation
- To implement continuous execution using loops
- To introduce time delays in program execution

CODE :

```
max=float(input("Max:"))
```

```
min=float(input("Min:"))
```

```
import random import
```

```
time
```

```
while(1):
```

```
    temperature=random.random()
```

```
temperature*=100
```

```
    if temperature <min:
```

```
        print("Alert your device is too cold")
```

```
    elif temperature >max:
```

```
        print("Alert your device is too hot")
```

```
    else:
```

```
        print("All right")
```

```
print(temperature)    time.sleep(2)
```

OUTPUT :

Max:89

Min:45

Alert your device is too cold

4.241098003582088

Alert your device is too cold

23.618732738341297

Alert your device is too cold

9.948207621239934

Alert your device is too cold

34.7682890095743

Alert your device is too hot

95.46965470281063

Alert your device is too hot

95.11124693155524

Alert your device is too cold

23.491022321509625

Alert your device is too cold

1.6790405215905801

Alert your device is too cold