

## “Week 3”

### Challenge 1: *Smart City Temperature Alerts*

**Note:** The sample output does not follow the alert condition defined in the problem statement; therefore, there is an inconsistency between the sample output and the given logic.

```
"F:\project 2.0\venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_1__Smart_City_Temp.py"
8 3 2
73 74 75 71 69 72 76 73
NEXT 3
COUNT 0 7
6
7

Process finished with exit code 0
```

### Challenge 4: *Scrambled Keyword Detection*

```
"F:\project 2.0\venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_4__Scrambled_Keyword.py"
cbaebabacd
abc
[0, 6]

Process finished with exit code 0
```

### Challenge 5: *The Mirror Quest: Finding the Longest Reflection*

```
"F:\project 2.0\venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_5__Longest_Mirrored_Phrase.py"
babad
aba

Process finished with exit code 0
```

### Challenge 6: *Suspicious Device Detection*

```
"F:\project 2.0\venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_6__ Suspicious_Device_Detection.py"
2 1 2 5 3 2
2

Process finished with exit code 0
```