

## “Week 1”

### *Challenge 1: The Mountain Peak Challenge*

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_1__The_Mountain_Peak_Challenge.py"
Input: 2
Output: 2

Process finished with exit code 0
```

  

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_1__The_Mountain_Peak_Challenge.py"
Input: 4
Output: 5

Process finished with exit code 0
```

### *Challenge 2: The Balanced Scales Challenge*

### *Challenge 3: The Mirror Quest: Finding the Longest Reflection*

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_3__The_Mirror_Quest.py"
Input: geeks
Output: 2

Process finished with exit code 0
```

  

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_3__The_Mirror_Quest.py"
Input: mapam
Output: 5

Process finished with exit code 0
```

#### Challenge 4: *The Royal Treasury*

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_4__The_Royal_Treasury.py"
Target Sum: 4
Vault_Coins: [1, 2, 3]
Output: 4

Process finished with exit code 0
```

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_4__The_Royal_Treasury.py"
Target Sum: 10
Vault_Coins: [2, 5, 3, 6]
Output: 5

Process finished with exit code 0
```

#### Challenge 5: *The Master Scheduler's Dilemma*

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_5__The_Master_Scheduler_Dilemma.py"
Requests: [[1, 2], [2, 3], [1, 3], [3, 4]]
Output: 1

Process finished with exit code 0
```

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_5__The_Master_Scheduler_Dilemma.py"
Requests: [[1, 3], [1, 3], [1, 3]]
Output: 2

Process finished with exit code 0
```

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_5__The_Master_Scheduler_Dilemma.py"
Requests: [[1, 2], [5, 10], [18, 35]]
Output: 0

Process finished with exit code 0
```

#### Challenge 6: *The High-Stakes Freelancer*

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_6__The_High-Stakes_Freelancer.py"
Deadlines: [4, 1, 1, 1]
Profits: [20, 10, 40, 30]
Output: [2 Jobs, 60 Profit]

Process finished with exit code 0
```

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_6__The_High-Stakes_Freelancer.py"
Deadlines: [2, 1, 2, 1, 1]
Profits: [100, 19, 27, 25, 15]
Output: [2 Jobs, 127 Profit]

Process finished with exit code 0
```

### Challenge 7: Koko's Banana Buffet

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_7__Koko_Banana_Buffet.py"
Piles: [5, 10, 3]
K: 4
Output: 5

Process finished with exit code 0
```

```
"F:\project 2.0\.venv\Scripts\python.exe" "D:\PythonProject\Winter Activity 2025\Challenge_7__Koko_Banana_Buffet.py"
Piles: [5, 10, 15, 20]
K: 7
Output: 10

Process finished with exit code 0
```