

## Challenge # 1:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Code + ▾ ⚡ ⚡ ... | ☰ X

● PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python .\challenge01_mountain_peak.py
For 45 steps, Found 1836311903 unique ways to reach the summit.
○ PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>
```

## Challenge # 2:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Code + ▾ ⚡ ⚡ ... | ☰ X

● PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python .\challenge02_the_balanced_scale.py
Can the stones [1, 5, 11, 5] be split into two equal bags? True
Can the stones [1, 2, 4] be split into two equal bags? False
Can the stones [1, 2, 2, 1] be split into two equal bags? True
○ PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>
```

## Challenge # 3:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Code + ▾ ⚡ ⚡ ... | ☰ X

PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python -u "c:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python .\challenge03_mirror_quest.py"
Input: 'bbabcbcab'
Result: 7
-----
Input: 'cbbd'
Result: 2
-----
Input: 'racecar'
Result: 7
-----
○ PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>
```

## Challenge # 4:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
powershell + ▾ ⚡ ⚡ ... | ☰ X

● PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python .\challenge04_royal_treasure.py
Case A: 4
Case B: 5
Case C: 0
○ PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>
```

## Challenge # 5:

A screenshot of the VS Code terminal window. The tab bar at the top shows 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL' with 'TERMINAL' underlined. To the right are icons for powershell, terminal tabs, and close. The terminal content starts with a blue bullet point: 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python \'challenge05\_master\_Scheduler\'s\_dilemma.py''. Below it is the text 'Example 1 Output: 1'. A blue circle icon is to the left of the output text. Another blue bullet point follows: 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> [REDACTED]'

## Challenge # 6:

A screenshot of the VS Code terminal window. The tab bar at the top shows 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL' with 'TERMINAL' underlined. To the right are icons for powershell, terminal tabs, and close. The terminal content starts with a blue bullet point: 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python .\challenge06\_high\_stakes.py'. Below it is the text 'Result: [2, 60]' followed by 'Result: [2, 127]'. A blue circle icon is to the left of the first result. Another blue bullet point follows: 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> [REDACTED]

## Challenge # 7

A screenshot of the VS Code terminal window. The tab bar at the top shows 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL' with 'TERMINAL' underlined. To the right are icons for powershell, terminal tabs, and close. The terminal content starts with a blue bullet point: 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python \'challenge07\_Koko\'s\_banana.py''. Below it is the text 'Piles: [5, 10, 3], Hours: 4' followed by 'Minimum Speed: 5'. A dashed line follows: '-----'. Below that is 'Piles: [5, 10, 15, 20], Hours: 7' followed by 'Minimum Speed: 10'. Another blue bullet point follows: 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> [REDACTED]