

## Challenge # 1:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Code + v [ ] [ ] ... [ ] [ ] 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 + v [ ] [ ] ... [ ] [ ] 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 + v [ ] [ ] ... [ ] [ ] X

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

## Challenge # 4:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Code + v [ ] [ ] ... [ ] [ ] 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 a VS Code terminal window. The terminal title bar shows 'powershell' and standard window controls. The terminal content shows a PowerShell prompt at 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>' followed by the command 'python '..\challenge05\_master\_Scheduler''s\_dilemma.py''. Below the command, the output 'Example 1 Output: 1' is displayed. The prompt is ready for the next command.

```
PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python '..\challenge05_master_Scheduler''s_dilemma.py'
```

Example 1 Output: 1

```
PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>
```

## Challenge # 6:



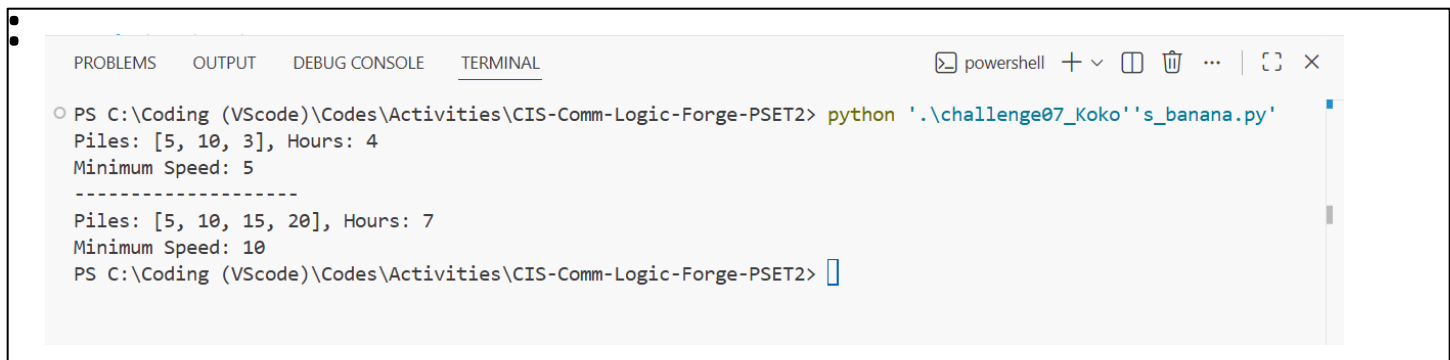
A screenshot of a VS Code terminal window. The terminal title bar shows 'powershell' and standard window controls. The terminal content shows a PowerShell prompt at 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>' followed by the command 'python ..\challenge06\_high\_stakes.py'. The output shows 'Result: [2, 60]' followed by 'Result: [2, 127]'. The prompt is ready for the next command.

```
PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python ..\challenge06_high_stakes.py
```

Result: [2, 60]  
Result: [2, 127]

```
PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>
```

## Challenge # 7



A screenshot of a VS Code terminal window. The terminal title bar shows 'powershell' and standard window controls. The terminal content shows a PowerShell prompt at 'PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>' followed by the command 'python '..\challenge07\_Koko''s\_banana.py''. The output shows 'Piles: [5, 10, 3], Hours: 4' and 'Minimum Speed: 5'. A separator line '-----' is shown. The output continues with 'Piles: [5, 10, 15, 20], Hours: 7' and 'Minimum Speed: 10'. The prompt is ready for the next command.

```
PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2> python '..\challenge07_Koko''s_banana.py'
```

Piles: [5, 10, 3], Hours: 4  
Minimum Speed: 5  
-----  
Piles: [5, 10, 15, 20], Hours: 7  
Minimum Speed: 10

```
PS C:\Coding (VScode)\Codes\Activities\CIS-Comm-Logic-Forge-PSET2>
```