

## FOR MEMOIZATION:

Test Case 1: (7, [2,3])

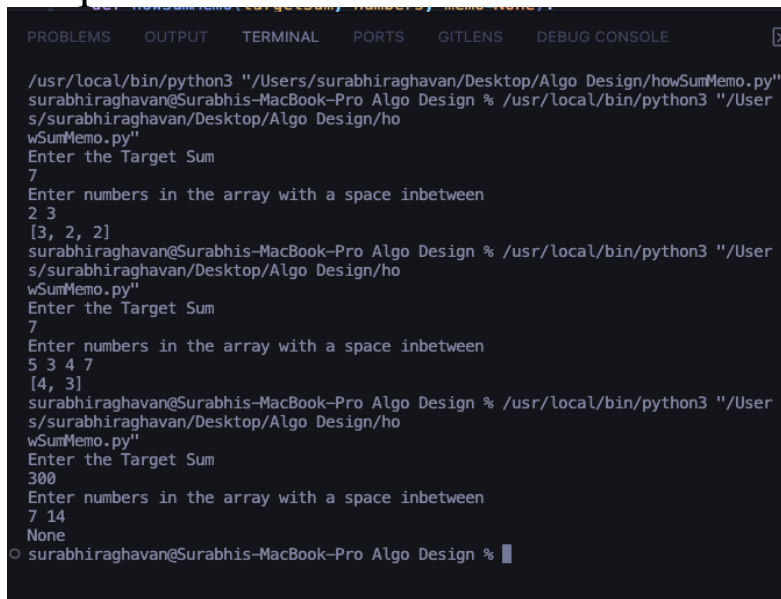
Output: [3, 2, 2]

Test Case 2: (7, [5,3,4,7])

Output: [4, 3]

Test Case 3: (300,[7,14])

Output: None



```
PROBLEMS OUTPUT TERMINAL PORTS GITLENS DEBUG CONSOLE

/usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSumMemo.py"
surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/User
s/surabhiraghavan/Desktop/Algo Design/howSumMemo.py"
Enter the Target Sum
7
Enter numbers in the array with a space inbetween
2 3
[3, 2, 2]
surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/User
s/surabhiraghavan/Desktop/Algo Design/howSumMemo.py"
Enter the Target Sum
7
Enter numbers in the array with a space inbetween
5 3 4 7
[4, 3]
surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/User
s/surabhiraghavan/Desktop/Algo Design/howSumMemo.py"
Enter the Target Sum
300
Enter numbers in the array with a space inbetween
7 14
None
○ surabhiraghavan@Surabhis-MacBook-Pro Algo Design %
```

## FOR TABULATION:

Test Case 1: (7, [2,3])

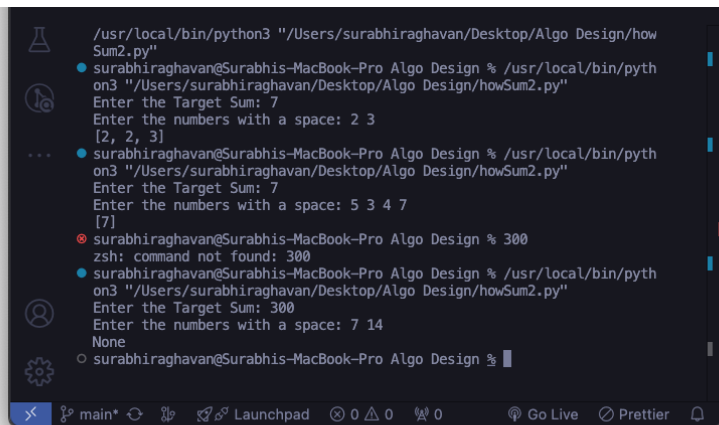
Output: [2, 2, 3]

Test Case 2: (7, [5,3,4,7])

Output: [7]

Test Case 3: (300,[7,14])

Output: None



A terminal window with a dark background and light text. The window title bar is at the top, and the terminal content is below it. The content shows a series of commands and user input. The first command is `/usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"`. The second command is `surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"`. The user enters `Enter the Target Sum: 7` and `Enter the numbers with a space: 2 3`. The output is `[2, 2, 3]`. The third command is `surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"`. The user enters `Enter the Target Sum: 7` and `Enter the numbers with a space: 5 3 4 7`. The output is `[7]`. The fourth command is `surabhiraghavan@Surabhis-MacBook-Pro Algo Design % 300`. The output is `zsh: command not found: 300`. The fifth command is `surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"`. The user enters `Enter the Target Sum: 300` and `Enter the numbers with a space: 7 14`. The output is `None`. The sixth command is `surabhiraghavan@Surabhis-MacBook-Pro Algo Design %`. The output is `None`. The terminal window has a sidebar on the left with icons for a file explorer, a search icon, a user profile, and a settings icon. The bottom status bar shows the current file is `main*`, the editor is `Launchpad`, and there are 0 errors, 0 warnings, and 0 info messages. The status bar also shows `Go Live` and `Prettier` icons.

```
/usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"
surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"
Enter the Target Sum: 7
Enter the numbers with a space: 2 3
[2, 2, 3]
surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"
Enter the Target Sum: 7
Enter the numbers with a space: 5 3 4 7
[7]
surabhiraghavan@Surabhis-MacBook-Pro Algo Design % 300
zsh: command not found: 300
surabhiraghavan@Surabhis-MacBook-Pro Algo Design % /usr/local/bin/python3 "/Users/surabhiraghavan/Desktop/Algo Design/howSum2.py"
Enter the Target Sum: 300
Enter the numbers with a space: 7 14
None
surabhiraghavan@Surabhis-MacBook-Pro Algo Design %
```