### Al Project 1 - Reeya Gupta Output Document

#### Output 1:

Input:

2,5,6,72

143

```
### Main.py | #
```

### Output 2:

Input:

2,3,5,19,121,852

11443

```
main.py
                                              input.txt
                                        ×

✓ AI PROJECT1- REEYAGUPTA

                            🕏 main.py > ..
                                        targ_input = int(targ_input)
 ≣ input.txt
                                        li_values = list(string_input.split(","))
 main.py
                                        li_values = [int(i) for i in li_values]
                                        li_values.sort()
                                        problem = {
                                         "size": li_values,
                                         "target": targ_input
                                        player = MyPlayer()
                                        steps = player.run_algorithm(problem)
                                        print(f"Minimum number of steps required: {steps}")
                                                                   TERMINAL
                            Step 30
                            [0, 0, 0, 0, 852, 2556]
Step 31
                            [0, 0, 0, 0, 0, 0, 2556]
Step 32
                            [0, 0, 0, 0, 0, 852, 1704]
                            Step 33
                            [0, 0, 0, 0, 0, 0, 1704]
Step 34
                            [0, 0, 0, 0, 0, 852, 852]
Step 35
                            [0, 0, 0, 0, 0, 0, 852]
                            Step 36
                            [0, 0, 0, 0, 0, 852, 0]
Minimum number of steps required: 36
PS C:\Users\gupta\Downloads\AI Project1- ReeyaGupta> [
> OUTLINE
```

## Output 3: Input:

2

143

```
main.py X ≡ input.txt
✓ AI PROJECT1- REEYAGUPTA
                                     targ_input = int(targ_input)

    input.txt
                                     li_values = list(string_input.split(","))
li_values = [int(i) for i in li_values]
                                     li_values.sort()
                                     problem = {
                                     "size": li_values,
                                     "target": targ_input
                                     player = MyPlayer()
                                     steps = player.run_algorithm(problem)
                                     print(f"Minimum number of steps required: {steps}")
                         PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
                         PS C:\Users\gupta\Downloads\AI Project1- ReeyaGupta> & C:/Users/gupta/AppData/Local/Microsoft/Windo
                         Minimum number of steps required: -1
                         PS C:\Users\gupta\Downloads\AI Project1- ReeyaGupta> [
```

# Output 4: Input:

2,4,5,1

14

