

Write a Python program that implements a menu-driven interface for managing a list of integers. The program should have the following menu options:

1. Add
2. Remove
3. Display
4. Quit

The program should repeatedly prompt the user to enter a choice from the menu. Depending on the choice selected, the program should perform the following actions:

- **Add:** Prompts the user to enter an integer and add it to the integer list. If the input is not a valid integer, display "Invalid input".
- **Remove:** Prompts the user to enter an integer to remove from the list. If the integer is found in the list, remove it; otherwise, display "Element not found". If the list is empty, display "List is empty".
- **Display:** Displays the current list of integers. If the list is empty, display "List is empty".
- **Quit:** Exits the program.
- The program should handle invalid menu choices by displaying "Invalid choice". Ensure that the program continues to prompt the user until they choose to quit (option 4).

Sample Test Cases

+

listOps.py

Submit

Debugger

```

1 # write the code..
2
3 list1 = []
4 while True:
5     print("1. Add")
6     print("2. Remove")
7     print("3. Display")
8     print("4. Quit")
9     choice = int(input("Enter
choice: "))
10    if choice==1:
11        add = int(input("Integer: "))
12        list1.append(add)
13        print(f"List after adding:
{list1}")
14    elif choice==2:
15        if len(list1)==0:
16            print("List is empty")
17        elif len(list1)!=0:
18            remove =
int(input("Integer: "))
19            if remove not in list1:
20                print("Element not
found")
21            else:
22                list1.remove(remove)
23                print(f"List after
removing: {list1}")
24        elif choice==3:
25            if len(list1)==0:
26                print("List is empty")
27            else:
28                print(list1)
29        elif choice==4:
30            break
31        else:
32            print("Invalid choice")

```

Average time

0.176 s

176.00 ms

Maximum time

0.274 s

274.00 ms

2 out of 2 shown test case(s) passed

1 out of 1 hidden test case(s) passed

Test case 1 127 ms

Debug

Expected output

Actual output

1. Add

1. Add

2. Remove

2. Remove

3. Display

3. Display

Prev

Reset

Submit

Next

Write a Python program to perform the following dictionary operations:

- Create an empty dictionary and display it.
- Ask the user how many items to add, then input key-value pairs.
- Show the dictionary after adding items.
- Ask the user to update a key's value. Print "Value updated" if the key exists, otherwise print "Key not found".
- Retrieve and print a value using a key. If not found, print "Key not found".
- Use get() to retrieve a value. If the key doesn't exist, print "Key not found".
- Delete a key-value pair. If the key exists, delete and print "Deleted". If not, print "Key not found".
- Display the updated dictionary.

Note: Refer to visible test cases.

dictOperati...

Submit

Explorer

Debugger

```

1
2 # Create an empty dictionary
3 my_dict = {}
4 print(f"Empty Dictionary: {my_dict}")
5
6 # Get the number of items to add
7 num_items = int(input("Number of items: "))
8
9 # Add key-value pairs
10 for _ in range(num_items):
11     key = input("key: ")
12     value = input("value: ")
13     my_dict[key] = value
14
15 print(f"Dictionary: {my_dict}")
16
17 # Update a key's value
18 update_key = input("Enter the key to update: ")
19 if update_key in my_dict:
20     new_value = input("Enter the new value: ")
21     my_dict[update_key] = new_value
22     print("Value updated")
23 else:
24     print("Key not found")
25
26 # Retrieve a value using a key
27 retrieve_key = input("Enter the key to retrieve: ")
28 if retrieve_key in my_dict:
29     print(f"Key: {retrieve_key}, Value: {my_dict[retrieve_key]}")
30 else:
31     print("Key not found")
32
33 # Retrieve value using get()
34 get_key = input("Enter the key to get using the get() method: ")
35 value = my_dict.get(get_key, "Key not found")
36 if value != "Key not found":
37     print(f"Key: {get_key}, Value: {value}")
38 else:
39     print(value)
40
41 # Delete a key-value pair
42 delete_key = input("Enter the key to delete: ")
43 if delete_key in my_dict:
44     del my_dict[delete_key]
45     print("Deleted")
46 else:
47     print("Key not found")
48
49 # Display the updated dictionary

```

Average time

0.153 s

153.50 ms

Maximum time

0.264 s

264.00 ms

2 out of 2 shown test case(s) passed

2 out of 2 hidden test case(s) passed

Test case 1 79 ms

Debug

Expected output

Actual output

Empty Dictionary: {}

Empty Dictionary: {}

Number of items: 1

Number of items: 1

key: Name

key: Name

Sample Test Cases

+

Write a program to check whether the given element is present or not in the array of elements using linear search.

Input format:

- The first line of input contains the array of integers which are separated by space
- The last line of input contains the key element to be searched

Output format:

- If the element is found, print the index.
- If the element is not found, print **Not found**.

Sample Test Case:**Input:**

1 2 3 4 3 5 6

3

Output:

2

Sample Test Cases

+

```
1 # Linear Search Implementation
2
3 # Read the array of integers from
  input
4 arr = list(map(int, input().split()))
5
6 # Read the key element to search
7 key = int(input())
8
9 # Perform linear search
10 found = False
11 for index, value in enumerate(arr):
12     if value == key:
13         print(index)
14         found = True
15         break
16
17 # If element is not found, print
  "Not found"
18 if not found:
19     print("Not found")
20
```

Average time

0.041 s

40.50 ms

Maximum time

0.043 s

43.00 ms

2 out of 2 shown test case(s) passed

2 out of 2 hidden test case(s) passed

Test case 1 35 ms

Debug

Expected output

1 2 3 4 3 5 6

3

2

Actual output

1 2 3 4 3 5 6

3

2



2.2.2. Captain of the Team

00:37



You are provided with the heights of 11 cricket players (in centimeters). Your task is to identify the tallest player, who will be selected as the captain of the team.

Input Format:

The first line of input will contain 11 integers, each representing the height of a player (in centimeters), each separated by a space.

Output Format

The output should be the height (in centimeters) of the tallest player.

Sample Test Cases



Explorer

captainofT...



Submit

Debugger

```
1 # Find the tallest cricket player
2
3 # Read the heights of 11 players
4 from input
5 heights = list(map(int,
6 input().split()))
7
8 # Find the maximum height
9 captain_height = max(heights)
10
11 # Print the tallest player's height
12 print(captain_height)
```

Average time

0.012 s

12.33 ms



Maximum time

0.018 s

18.00 ms



✓ 1 out of 1 shown test case(s) passed

✓ 2 out of 2 hidden test case(s) passed

✓ Test case 1 18 ms

Debug



Expected output

171 169 185 156 174 191

186 190 187 172 160

191

Actual output

171 169 185 156 174 191

186 190 187 172 160

191



< Prev

Reset

Submit

Next >