

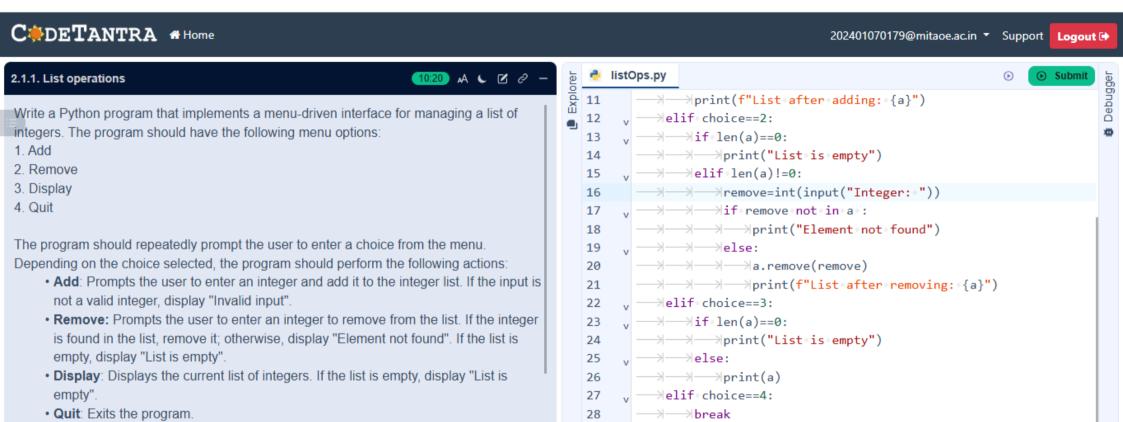
```
Debugger
      listOps.py
                                                                         Submit
Explorer
   1
          a=[]
        , while∘True:
              print("1. Add")
   3
             ⇒print("2.∘Remove")
    4
             ⇒print("3. Display")
    5
             ⇒print("4. Ouit")
    6
             >choice=int(input("Enter choice: "))
   7
            ⇒if∘choice==1:
   8
             → add=int(input("Integer: "))
   9
           \longrightarrow a.append(add)
  10
           >>>>print(f"List after adding: {a}")
  11
  12
           —>elif∘choice==2:
        , —>| →| if len(a)==0:
  13
          >>>>>print("List is empty")
  14
           → elif len(a)!=0:
  15
             >>>>>remove=int(input("Integer: "))
  16
             ⇒ if remove not in a :
  17
             >>>>>>>print("Element not found")
  18
  19
            \rightarrow \rightarrow \rightarrow \rightarrow else:
  20
             \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow a.remove(remove)
                 >>>>>print(f"List after removing: {a}")
  21
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    >_ Terminal

	☐ Test cases

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 $_{v}$ \longrightarrow else:

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Sample Test Cases

→ print("Invalid choice")

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2.1.2. Dictionary Operations



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.

Sample Test Cases

Explorer dictOpera... Debugger Submit dict = = {} print("Empty Dictionary:",dict) 2 n == int(input("Number of items: ")) v for _ in range (n): key = input("key: ") > value = input("value: ") 7 →dict[kev] = value print("Dictionary:",dict) 8 9 10 update key = input("Enter the key to update: ") , if update key in dict: 11 new value = input("Enter the new value: ") 12 13 dict[update key] = new value ⇒print("Value updated") 14 15 v else: print("Key not found") 16 17 18 retrieve key = input("Enter the key to retrieve: ") v if retrieve_key in dict: 19 print(f"Key: {retrieve key}, Value: {dict[retrieve key]}") 20 v else: 21 Activate Windows >_ Terminal

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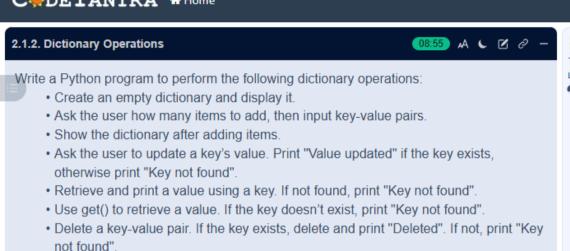
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· Display the updated dictionary.

Note: Refer to visible test cases



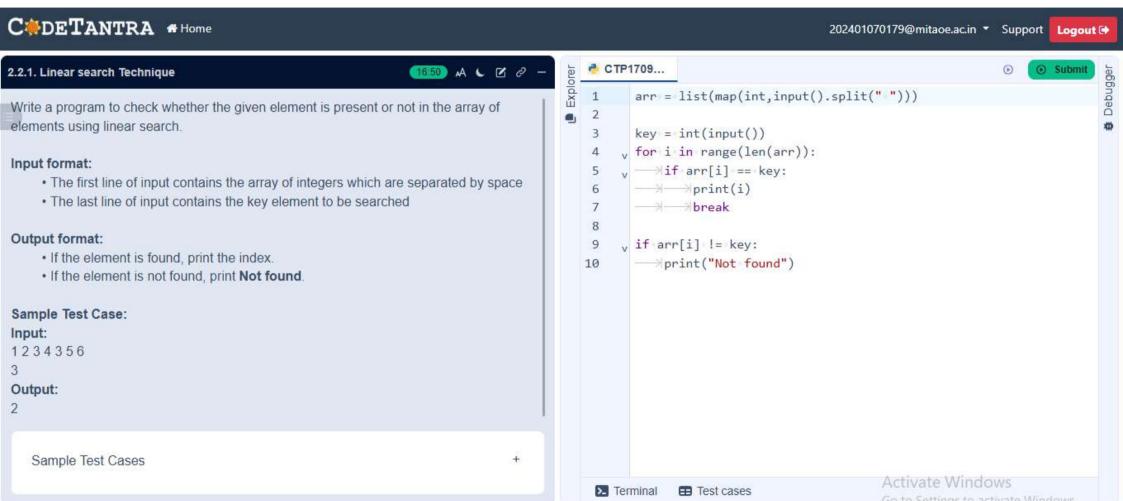
```
Explorer
                                                                            Debugger
       , if retrieve key in dict:
  19
            >print(f"Key: {retrieve key}, Value: {dict[retrieve key]}")
  20
       v else:
  21
  22
            ⇒print("Kev∘not∘found")
  23
  24
         get key = input("Enter the key to get using the get() method:
         value = dict.get(get key, "Key not found")
  25
       vif value != "Key not found":
  26
  27
            →print(f"Key: {get key}, Value: {value}")
       v else:
  28
  29
            ⇒print("value")
  30
         deleted_key = input("Enter the key to delete: ")
  31
       , if deleted key in dict:
  32
          → del dict[deleted_key]
  33
  34
          print("Deleted")
  35
       , else:
          print("Key not found")
  36
  37
         print("Updated Dictionary:",dict)
  38
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```

Sample Test Cases

dictOpera...

Test cases

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