

**Aim:**

Write a program to perform the following operations on a list.

- i. Addition
- ii. Insertion
- iii. Slicing

**Input Format:**

- The first line should take space-separated integers to form the list.
- The second line of input should prompt the user to enter two integers separated by a space representing the key and value for the insertion.
- The third line should take space-separated start index and end index for slicing.

**Output Format:**

- First line should display the initial list.
- Second line should display the list after insertion.
- Third line should display the list after slicing.

**Example 1:****Input:**

1 2 3 4 5  
0 5  
0 3

**Output**

[1, 2, 3, 4, 5]  
[5, 1, 2, 3, 4, 5]  
[5, 1, 2]

**Note:**

- In Python, adding an element with append adds it to the end of a list. To insert an element at a specific index, insert operation need to be used.

**Source Code:**

`listOp.py`

```
list=list(map(int,input().split(" ")))  
a,b=map(int,input("").split(" "))  
c,d=map(int,input("").split(" "))  
print(list)  
list.insert(a,b)  
print(list)  
new_list=list[c:d]  
print(new_list)
```

Execution Results - All test cases have succeeded!

Test Case - 1

User Output

