

lab2.py > ...

```
1  # Make a list with 3 elements
2  my_list = [1, 2, 3]
3
4  # Add an element to the end of the list
5  my_list.append(4)
6
7  # Remove an element from the list (let's remove the second element, which is 2)
8  my_list.pop(1)
9
10 # Reverse the list
11 my_list.reverse()
12
13 # Sort the list
14 my_list.sort()
15
16 # Add an element at the start of the list
17 my_list.insert(0, 0)
18
```

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20
21 people = ["Ahmed", "Nasser", "Mohammed"]
22
23 # Join the elements of the list with commas and print
24 formatted_list = ", ".join(people)
25 print(formatted_list)
26
27 # Create a list of 3 dictionaries
28 people_list = [
29     {"name": "John", "phone_number": "123-9866-7890"},
30     {"name": "Alice", "phone_number": "123-456-3210"},
31     {"name": "Bob", "phone_number": "123-456-7890"}
32 ]
33
34 # Add another dictionary to the list
35 new_person = {"name": "Eve", "phone_number": "123-466-7890"}
36 people_list.append(new_person)
37
38 # Delete the "name" key from the first dictionary
39 if "name" in people_list[0]:
40     del people_list[0]["name"]
41
42 # Update the phone number of the last person
43 people_list[-1]["phone_number"] = "888-888-8888"
44
45 # Check if the first dictionary has a key called "name"
46 if "name" in people_list[0]:
47     print("The first dictionary has a key called 'name'")
48 else:
49     print("The first dictionary does not have a key called 'name'")
50
51 # Print the updated list of dictionaries
52 print(people_list)
53
```