

1. Given a list 'numbers=[1,2,3,4,5]' write a python program to append the number '6' to this list and then print the updated list?

```
numbers = [1, 2, 3, 4, 5]
numbers.append(6)
print(numbers)
```

2. Given a list 'fruits' = ['apple','banana','cherry','date','elderberry'] write a python program to extract and print a sublist containing the first three elements?

```
fruits = ['apple', 'banana', 'cherry', 'date', 'elderberry']
print(fruits[:3])
```

3. Write a python program using list comprehension to create a new list that contains the squares of all the numbers from '1' to '10'

```
squares = [x**2 for x in range(1, 11)]
print(squares)
```

4. Given a list 'items' = [1, 2, 3, 2, 4, 5, 1, 6, 3], write a python program to remove all the duplicate elements and print the list of unique items?

```
items = [1, 2, 3, 2, 4, 5, 1, 6, 3]
unique_items = list(set(items))
print(unique_items)
```

5. Given a list 'values' = [45, 22, 89, 33, 67, 12, 90], write a python program to find and print the maximum and minimum values in the list?

```
values = [45, 22, 89, 33, 67, 12, 90]
print("Max:", max(values))
print("Min:", min(values))
```