# Assignments

## Q.1. Create empty fist append 10 number into list.

```
→ empty_list = []
empty_list.append(23)
empty_list.append(3)
empty list.append(4)
empty_list.append(5)
empty_list.append(18)
empty_list.append(33)
empty_ list.append(84)
empty_list.append(38).
empty_list.append(40)
empty_list.append(18)
empty_list.append(48)
Output:
[23,3,4,5, 18,33,34,38,40,18,48]
```

## Q.2 Enter index number from user and element to insert number to the number.

```
-> my_list = [86, 44, 55, 77, 4, 33, 76]
print (my_list)
l1 = int (input ("Enter index number: "))
l2 = int (input ("Enter element: "))
my_list. insert (11, 12)
print (my_list)
```

```
Output: [86, 44, 55, 77, 4, 33, 76]
Enter index number: 5
Enter Element to put: 88
Output: [86, 44, 55, 77, 4, (88) ,76]
```

## Q3. Create another list of five numbers and append all the numbers From list 2 to list one.

```
->
list_one = [3, 4, 6, 87, 8]
list_two = [5, 3, 7, 8, 9]
list_one.append(list_two)
print (list_one)
output:
[30, 4, 6, 87, 8, [5, 3, 7, 8, 9]]
```

## Q4. Display list with the step value two.

```
list = [32, 6, 65, 47, 5, 8, 67, 8, 97, 77]
print (list)
print (list [::2])
output: [32, 65, 5, 69, 89,77, 7]
```

**Q5. Display middle three element of list.**

```
→list= [32, 6, 65, 47, 5, 8, 69, 8, 89, 97, 6, 7]
print (list)
print (list [4:16])
output:
[32, 6, 65, 47, 5, 8, 69, 8, 89, 97, 77, 6, 7]
[5, 8, 69]
```