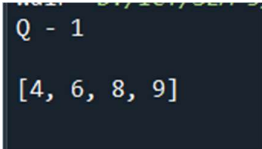


Lab 11**Name : Shashank Bagda****Date : 23 / 08 / 22****Enrollment No : 92100133020****# Q 1 : Write the python code to find missing numbers from a list**

```
print("Q - 1\n")
list = [1,2,3,5,7,10]
li = []
for i in range(1,10):
    if i in list:
        continue
    else:
        li.append(i)
print(li , "\n")
```



```
Q - 1
[4, 6, 8, 9]
```

Q 2 : Write the python code to check a sequence of number in an arithmetic progression or not

```
print("\nQ - 2\n")
l = [5,8,9,10]
val = 0
for i in range(0,3):
    if l[i] < l[i+1]:
        pass
    else:
        val = val + 1
```

```
if val == 0:
    print("True")
else:
    print("False")

print("")
```

```
Q - 2
True
```

Q 3 : Write a numpy program to create an array of all the even integers from 30 to 70

```
print("\nQ - 3\n")
import numpy as np
n1 = np.array([])
for i in range(30, 70):
    if i%2==0:
        n2 = np.append(n1,[i])
        n1 = n2
print(n1)
```

```
Q - 3

[30. 32. 34. 36. 38. 40. 42. 44. 46. 48. 50. 52. 54. 56. 58. 60. 62. 64.
 66. 68.]
```

Q 4 : Write the python code to check whether the given number in list is palindrome or not

```
print("\nQ - 4\n")
n1 = np.array(["121","132","454","111","147"])
for i in range(0,4):
    num = n1[i]
    num_rev = reversed(num)
    if list(num) == list(num_rev):
        print("True")
```

else:

`print("False")`

```
Q - 4
```

```
False  
False  
False  
False
```

Q 5 : Write the python code to reverse of numbers from a list of integers, preserving order.

```
print("\nQ - 5\n")
```

```
n1 = np.array([234,45,76,899])
```

```
for i in range(0,4):
```

```
    num = n1[i]
```

```
    print(str(num)[::-1])
```

```
Q - 5
```

```
432  
54  
67  
998
```