Lab 11

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 # 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
```