



# TASK-8

COGNIZANCE

## QUESTION-1 OUTPUT

```
C:\Users\Aparna\PycharmProjects\Task7\venv\Scripts\python.exe C:/Users/Aparna/Pyh
First Number:10
Last Number:14
[10. 0. 0. 0. 0. 0. 11. 0. 0. 0. 0. 12. 0. 0. 0. 0.
 13. 0. 0. 0. 0. 0. 14.]

Process finished with exit code 0
```

## QUESTION-2 OUTPUT

```
C:\Users\Aparna\PycharmProjects\Task7\venv\Scripts\
Enter the elements of first array:
1
2
3
4
5
6
Enter the elements of Second array:
1
2
3
4
5
6
First Array: [1 2 3 4 5 6]
Second Array: [1 2 3 4 5 6]
True
```

Do you want to check one more time(y/n)?**y**

Enter the elements of first array:

**1**

**3**

**5**

**7**

**9**

**0**

Enter the elements of Second array:

**2**

**3**

**4**

**5**

**6**

**7**

First Array: [1 3 5 7 9 0]

Second Array: [2 3 4 5 6 7]

False

Do you want to check one more time(y/n)?**n**

Process finished with exit code 0

### QUESTION-3 OUTPUT

```
C:\Users\Aparna\PycharmProjects\Task7\venv\  
nan  
True  
False  
nan  
False  
  
Process finished with exit code 0
```

### QUESTION-4 OUTPUT:

```
C:\Users\Aparna\PycharmProjects\Task7\venv\Scripts\python.e  
Amrita School Of Engineering Chennai Campus  
Process finished with exit code 0
```

## QUESTION-5 OUTPUT:

```
C:\Users\Aparna\PycharmProjects\Task7\venv\Scripts\python.exe C:
Initial array:
[ 0  1  2  3  4  5  6  7  8  9 10 11]
3X4 array:
[[ 0  1  2  3]
 [ 4  5  6  7]
 [ 8  9 10 11]]
4X3 array:
[[ 0  1  2]
 [ 3  4  5]
 [ 6  7  8]
 [ 9 10 11]]
6X2 array:
[[ 0  1]
 [ 2  3]
 [ 4  5]
 [ 6  7]
 [ 8  9]
 [10 11]]
2X6 array:
[[ 0  1  2  3  4  5]
 [ 6  7  8  9 10 11]]
```

```
Enter the dimension of identity matrix: 5
The identity matrix of order 5 is:
[[1 0 0 0 0]
 [0 1 0 0 0]
 [0 0 1 0 0]
 [0 0 0 1 0]
 [0 0 0 0 1]]

Process finished with exit code 0
```