#### Task-8

#### **OUTPUT FILE**

#### Q1.

## Output screenshot: -

### Q2.

```
enter the length of first array3
Enter the length of second array3
Enter the element of first array
12
15
10
Enter the element of second array
12
18
15
['10' '12' '15'] <class 'numpy.ndarray'>
['12' '15' '18'] <class 'numpy.ndarray'>
False
PS D:\task-8>
```

```
enter the length of first array3
Enter the length of second array3
Enter the element of first array
12
15
10
Enter the element of second array
10
15
12
['10' '12' '15'] <class 'numpy.ndarray'>
['10' '12' '15'] <class 'numpy.ndarray'>
True
PS D:\task-8>
```

### Q4.

# Q5a. addition of 2 numpy arrays

```
PROBLEMS OUTPUT DEBUGCONSOLE TERMINAL

PS D:\task-8> python -u "d:\task-8\q5a.py"
Size of first array:3
Size of second array:3
Enter the elements of first array10
Enter the elements of first array11
Enter the elements of first array12
Enter the elements of second array13
Enter the elements of second array14
Enter the elements of second array15
Added aray [23 25 27]
PS D:\task-8>
```

#### Q5b.

## Array datatype conversion

```
Windows PowerShell
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PS D:\task-8> python -u "d:\task-8\q5b.py"
Size of first array:3
Enter the elements of first array12
Enter the elements of first array13
Enter the elements of first array14
data type of an array : int32
[12. 13. 14.]
float64
PS D:\task-8> 

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```