S.Manasa,
21138

1.

```
======================= RESTART: /Users/Mnsa/Desktop/1.py ================
[10.  0.  0.  0.  0.  0. 11.  0.  0.  0.  0.  0. 12.  0.  0.  0.  0.  0.
 13.  0.  0.  0.  0.  0. 14.]
```

2.

```
======================= RESTART: /Users/Mnsa/Desktop/8.2.py =============
Enter Length : 3
Enter first array values : 45
Enter first array values : 4
Enter first array values : 7
Enter the second array values : 88
Enter the second array values : 9
Enter the second array values : 2
[45  4  7]
[88  9  2]
False
```

```
==================== RESTART: /Users/Mnsa/Desktop/task82.py ====================
Enter Length : 4
Enter first array values : 3
Enter first array values : 5
Enter first array values : 77
Enter first array values : 2
Enter second array values : 3
Enter second array values : 5
Enter second array values : 77
Enter second array values : 2
[ 3  5 77  2]
[ 3  5 77  2]
True
```

3.

```
======================= RESTART: /Users/Mnsa/Desktop/8.3.py ===============
nan
True
False
nan
False
```

4.

```
===================== RESTART: /Users/Mnsa/Desktop/8.4.py =========
Amrita School Of Engineering Chennai Campus
```

5.4

```
==================== RESTART: /Users/Mnsa/Desktop/task851.py ===
Enter the Length : 4
Enter Values : 6
Enter Values : 88
Enter Values : 12
Enter Values : 9
array('i', [6, 88, 12, 9])
[ 6. 88. 12.  9.]
float64
```

5.7

```
==================== RESTART: /Users/Mnsa/Desktop/task852.py ====
Enter the Length : 4
Enter first array values : 0
Enter first array values : 2
Enter first array values : 7
Enter first array values : 21
Enter second array values : 0
Enter second array values : 4
Enter second array values : 22
Enter second array values : 21
[ 0  2  7 21]
[ 0  4 22 21]
Positions where elements of 2 numpy arrays match :
(array([0, 3]),)
```