### Cognizance

### Task-8

#### Q1:

```
| Task-8 Q-1.py × | Task-8 Q-1.py × | Task-8 Q-2.py × | Task-8 Q-4.py × | Task-8 Q-5 (i).py × | Task-8 Q-5 (i)
```

### Q2:

```
First Array:

[1. 0. 0. 0. 1. 0.]

Second Array:

[0. 0. 1. 1. 0. 1.]

False
```

### Q3:

```
Question-4.py ×  Task-8 Q-1.py × Task-8 Q-2.py × Task-8 Q-1.py × Task-8 Q-2.py × Task-8 Q-2.py × Task-8 Q-2.py × Task-8 Q-3.py print(0 * np.nan)
print(np.nan != np.nan)
print(np.inf > np.nan)
print(0.3 == 3 * 0.1)

Run: Task-8 Q-5 (i) × Question-1 × Task-8 Q-3 ×
C:\Users\srish\PycharmProjects\python\Cognizan
nan
True
False
nan
False
Process finished with exit code 0
```

### Q4:

```
import pandas as pd
ser = pd.Series(['amrita', 'school', 'of', 'engineering', 'chennai'_, 'campus'])
Ser=""

for i in range_(len(ser)):
    ser[i]=ser[i].capitalize()
    Ser=Ser+ser[i]+" "
print(Ser)

C:\Users\srish\PycharmProjects\python\Cognizance\venv\Scripts\python.exe "C:/Users/srish/I
Amrita School Of Engineering Chennai Campus
```

## Q5) i) Addition pf two numpy arrays.

```
💪 Question-4.py 🔀 🖰 Task-8 Q-1.py 🔀

₹ Task-8 Q-2.py ×

₹ Task-8 Q-4.py ×

                                                                    ื Task-8 Q-5 (i).py
       import numpy as np
       arr_1=np.array([[1,12,34],[20,10,21]])
       print("First array: \n"_arr_1)
       arr_2=np.array([[9,8,5],[15,18,3]])
       print("Second array: \n",arr_2)
       Sum=np.add(arr_1,arr_2)
       print("Sum of the two arrays: \n",Sum)
     <mark> Task-8 Q-5 (i)</mark>
        C:\Users\srish\PycharmProjects\python\Cognizance\venv\Scripts\python.
C
        First array:
         [[ 1 12 34]
         [20 10 21]]
        Second array:
         [[ 9 8 5]
         [15 18 3]]
        Sum of the two arrays:
         [[10 20 39]
         [35 28 24]]
```

# Q5)ii)Array Re-dimensioning