

Task – 3

Outputs

Question-1

```
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-3> python -u "c:\User
The array :
[10 11 12 13 14]

New array :
[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.]
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-3>
```

Question-2

```
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-3> p
First array :
[0 0 1 0 0 0]
Second array :
[0 0 1 1 0 1]
False
PS C:\Users\minaa\Desktop\Cognizance_Club\Cognizance\Task-3>
```

Question-3

```
PS C:\Users\minaa\Desktop\Cogn
nan
True
False
nan
False
PS C:\Users\minaa\Desktop\Cogn
```

Question-4

```

PS C:\Users\minaa\Desktop\Cognizance_Club\Cogni
Series before :
0      amrita
1      school
2      of
3      engineering
4      chennai
5      campus
dtype: object
0      Amrita
1      School
2      Of
3      Engineering
4      Chennai
5      Campus
dtype: object

```

Question-5(1) : Addition of 2 numpy array

```

PS C:\Users\minaa\Desktop\Cognizance_Club\Cogni
1st array : [[ 3 -5 -3]
[ 3  6  9]]
2nd array : [[ 8 -5  8]
[-1  4 -9]]
Output array : [[ 11 -10  5]
[ 2  10  0]]

```

Question-5(2) : Multiplying Matrix

```

PS C:\Users\minaa\Desktop\Cogni
-----Dot Product-----
A = 4
B = [[6, 2], [9, 1]]
Output = [[24  8]
[36  4]]
-----Matrix Product-----
A = [[2, 5], [2, 2]]
B = [[6, 2], [9, 1]]
Output = [[57  9]
[30  6]]

```