

TASK-8

MAYANK MAITI

CCE 21033

PROGRAM OUTPUTS

PROGRAM O/P 1

```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/mayan/Downloads/p1.py =====
Enter the array[10,20,30,40,50]

New array:
[10.  0.  0.  0.  0.  0. 20.  0.  0.  0.  0.  0. 30.  0.  0.  0.  0.
 40.  0.  0.  0.  0.  0. 50.]
>>> |
```

PROGRAM O/P 2

```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/mayan/Downloads/p2.py =====
First array [1 0 0 0 1 1]
First array [0 0 1 0 0 0]
wether the arrays are equal or not !
False
>>> |
```

PROGRAM O/P 3

```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/mayan/Downloads/p3.py =====
nan
True
False
nan
False
>>> |
```

PROGRAM O/P 4

```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/mayan/Downloads/p4.py =====
Main sentence
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
>>> |
```

PROGRAM O/P 5a

```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/mayan/Downloads/p5a.py =====
Enter the array[1,2,3,4,5]
Enter the array[1,2,3,4,5]
final added arrays is: [ 2  4  6  8 10]
>>> |
```

PROGRAM O/P 5b

```
IDLE Shell 3.10.2
File Edit Shell Debug Options Window Help
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/mayan/Downloads/p5b.py =====
Enter Rows of square matrix : 5

MATRIX 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.]]
>>> |
```