Cognizance

Task-8

Name: Kanakala Sri Harika

RollNo: CH.EN.U4CSE21223

1.   1.npy

```
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/lenovo/Desktop/1.npy.py ==================
    First Number:9
    Last Number:16
    [ 9.   0.   0.   0.   0.   0. 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.   0.   0.   0.   0.   0.
     15.   0.   0.   0.   0.   0. 16.]
>>>
    ===================================================================== RESTART: C:/Users/lenovo/Desktop/1.npy.py =====
    First Number:14
    Last Number:20
    [14.   0.   0.   0.   0.   0. 15.   0.   0.   0.   0.   0. 16.   0.   0.   0.   0.   0.
     17.   0.   0.   0.   0.   0. 18.   0.   0.   0.   0.   0. 19.   0.   0.   0.   0.   0.
     20.]
>>>
```

2.   2.npy

```
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/lenovo/Desktop/2.npy.py ==================
    They are not equal
>>>
```

3. 3.npy

```
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/lenovo/Desktop/3.npy.py ==================
nan
True
False
nan
False
>>>
```

4. 4

```
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/lenovo/Desktop/4.py ====================
Original series:
0          amrita
1          vishwa
2     vidyapeetham
3          chennai
4          campus
dtype: object

Modified series:
0          Amrita
1          Vishwa
2     Vidyapeetham
3          Chennai
4          Campus
dtype: object
>>>
```

5. 5.npy

```
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/lenovo/Desktop/5.npy.py ===================
Matrix n :
[[3, 2], [9, 3]]
Matrix m :
[[8, 5], [6, 2]]
Multiplication of matrix is equal to :
[[36 19]
 [90 51]]
>>>
```