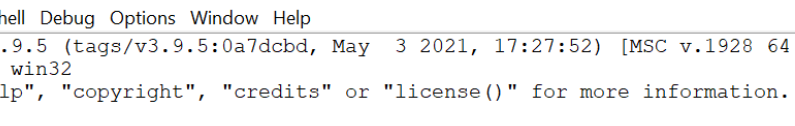


## OUTPUTS

## PROBLEM 1



The screenshot shows a window titled "IDLE Shell 3.9.5" with standard Windows window controls (minimize, maximize, close). The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main text area contains the following text:

```
Python 3.9.5 (tags/v3.9.5:0a7dcdb, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\Python\Programmes\Problem 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.]
>>> |
```

## PROBLEM 2

```
IDLE Shell 3.9.5
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcdb, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\Python\Programmes\Problem 2.py =====
Size of first array:6
Element:1
Element:0
Element:0
Element:0
Element:1
Element:0
First array:
[1 0 0 0 1 0]
Size of second array:6
Element:0
Element:0
Element:1
Element:1
Element:0
Element:1
Second array:
[0 0 1 1 0 1]
To check above mentioned array is equal or not
False
>>> |
```

## PROBLEM 3

```
IDLE Shell 3.9.5
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcdb, May 3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\Python\Programmes\Problem 3.py =====
nan
True
False
nan
False
>>> |
```

## PROBLEM 4

```
IDLE Shell 3.9.5
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcbbd, May  3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\Python\Programmes\Problem 4.py =====
Series:
0      Amrita
1      School
2      Of
3      Engineering
4      Chennai
5      Campus
dtype: object
>>> |
```

## PROBLEM 5

```
IDLE Shell 3.9.5
File Edit Shell Debug Options Window Help
Python 3.9.5 (tags/v3.9.5:0a7dcbbd, May  3 2021, 17:27:52) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\Python\Programmes\Problem 5.py =====
Identity Matrix
Enter number of Rows/Columns:3
[[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
Multiplying A Matrix
First Array: [[1 4 7]
 [2 5 8]]
Second Array: [[1 4]
 [2 5]
 [3 6]]
Product is  [[30 66]
 [36 81]]
>>> |
```