

Enter the first number : 10

Enter the second number : 14

```
[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.]
```

First Array : 1 0 0 0 1 0

Second Array : 0 0 1 1 0 1

False

nan

True

False

nan

False

```
es\lib\python\debugpy\launcher 62446 --  
Amrita School Of Engineering Chennai Campus
```

Array 1 :

$$\begin{bmatrix} [5 & 23 & 51] \\ [513 & -52 & 70] \\ [-52 & 72 & 221] \end{bmatrix}$$

Array 2 :

$$\begin{bmatrix} \begin{bmatrix} 12 & -34 & 61 \end{bmatrix} \\ \begin{bmatrix} 12 & 134 & 14 \end{bmatrix} \\ \begin{bmatrix} 23 & 4 & 23 \end{bmatrix} \end{bmatrix}$$

Array 1 + Array 2 =

$$\begin{bmatrix} [17 & -11 & 112] \\ [525 & 82 & 84] \\ [-29 & 76 & 244] \end{bmatrix}$$

Matrix 1 :

[[54, 23, 67], [63, 23, 17], [46, 74, 26]]

Matrix 2 :

[[32, 79, 84], [85, 59, 25], [42, 37, 94]]

Matrix Product :

[[ 6497 8102 11409]

[ 4685 6963 7465]

[ 8854 8962 8158]]