Cognizance
Task - 3

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QUESTION-1 (*Question1.py*)

```
python -u "/Users/kumarlaxmikant/Desktop/Visual Studio/Cognizance/Task-3/Question1.py"
kumarlaxmikant@Kumars-MacBook-Pro Cognizance % python -u "/Users/kumarlaxmikant/Desktop/Visual Studio/Cognizance/Task-3/Question1.py"
First Number: 10
Last Number: 14
[ 10.   0.   0.   0.   0.  11.   0.   0.   0.   0.   0.  12.   0.   0.
   0.   0.   0.  13.   0.   0.   0.   0.   0.  14.]
```

QUESTION-2 (*Question2.py*)

```
kumarlaxmikant@Kumars-MacBook-Pro Cognizance % python -u "/Users/kumarlaxmikant/Desktop/Visual Studio/Cognizance/Task-3/Question2
.py"
First array:
[0 0 0 0 0]
Second array:
[1 1 1 1 0]

The above two arrays are equal or not:
False
```

QUESTION-3 (*Question3.py*)

```
kumarlaxmikant@Kumars-MacBook-Pro Cognizance % python -u "/Users/kumarlaxmikant/Desktop/Visual Studio/Cognizance/Task-3/Question3.py"
nan
True
False
nan
False
```

QUESTION-4 (*Question4.py*)

```
kumarlaxmikant@Kumars-MacBook-Pro Cognizance % python3 -u "/Users/kumarlaxmikant/Desktop/Visual Studio/Cognizance/Task-3/Question4.py"
INPUT
0         amrita
1         school
2             of
3    engineering
4        chennai
5         campus
dtype: object

OUTPUT
Amrita School Of Engineering Chennai Campus
```

QUESTION-5a (Addition of two numpy arrays) (*Question5a.py*)

```
kumarlaxmikant@Kumars-MacBook-Pro Cognizance % python3 -u "/Users/kumarlaxmikant/Desktop/Visual Studio/Cognizance/Task-3/Question5a.py"
Enter first array : 2 5 2 8 9
Enter second array : 4 3 6 1 0
The sum is:
[6 8 8 9 9]
```

QUESTION-5b (Multiplying a matrix) (*Question5b.py*)

```
kumarlaxmikant@Kumars-MacBook-Pro Cognizance % python3 -u "/Users/kumarlaxmikant/Desktop/Visual Studio/Cognizance/Task-3/Question5b.py"
Matrix A =
[[ 2  3  5]
 [ 1  0  6]
 [ 7 10 11]]

Matrix B =
[[ 0  9 13]
 [ 1  6  8]
 [11  9  7]]

The Multiplication of A & B gives =
[[ 58  81  85]
 [ 66  63  55]
 [131 222 248]]
```