PRELIMINARY TASK 8

Python Programming

Submitted By :

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1st Year CYS

Outputs

Q1 :

```
>>>
========= RESTART: C:\Melvina\Cognizance\Preliminary tasks\Task-8\Q1.py ========
First Number :10
Last 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.]
>>>
```

Q2 :

```
>>>
========= RESTART: C:\Melvina\Cognizance\Preliminary tasks\Task-8\Q2.py ====
How many elements do you want in first array : 3
Enter a number into the array: 1
Enter a number into the array: 0
Enter a number into the array: 0
How many elements do you want in second array : 3
Enter a number into the array: 1
Enter a number into the array: 0
Enter a number into the array: 0
---------------
First Array :  ['1', '0', '0']
Second Array :  ['1', '0', '0']
---------------
True
>>>
========= RESTART: C:\Melvina\Cognizance\Preliminary tasks\Task-8\Q2.py ====
How many elements do you want in first array : 2
Enter a number into the array: 1
Enter a number into the array: 0
How many elements do you want in second array : 2
Enter a number into the array: 0
Enter a number into the array: 1
---------------
First Array :  ['1', '0']
Second Array :  ['0', '1']
---------------
False
>>>
```

Q3 :

```
>>>
========= RESTART: C:\Melvina\Cogniz
Results
-------
1. nan
2. True
3. False
4. nan
5. False
>>>
```

Q4 :

```
>>>
========= RESTART: C:\Melvina\Cognizance\Preliminary tasks
Enter the string :amrita school of engineering, chennai ca
The final result is :
Amrita School Of Engineering, Chennai Campus
>>>
```

Q5.i :

```
======== RESTART: C:\Melvina\Cognizance\Preliminary tas
Enter the number of rows in array 1 : 2
Enter the column-wise values :
1 2 3 4
4 3 2 1
Enter the number of rows in array 2 : 2
Enter the column-wise values :
5 6 7 8
8 7 6 5
The sum of both the arrays is :
[[ 6  8 10 12]
 [12 10  8  6]]
>>>
```

Q5.iii :

```
>>>
======= RESTART: C:\Melvina\Cognizance\Preliminary tasks\'
Enter the dimension: 3
The identity matrix of dimension  3 is :
[[1. 0. 0.]
 [0. 1. 0.]
 [0. 0. 1.]]
>>>
======= RESTART: C:\Melvina\Cognizance\Preliminary tasks\'
Enter the dimension: 5
The identity matrix of dimension  5 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.]]
>>>
```

x----------x