TASK-8

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Q2. First Array: [1 0 0 0 1 0]
Second Array: [0 0 1 1 0 1]
False
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Q3. Result for print(0 * np.nan)
nan

Result for print(np.nan != np.nan)
True

Result for print(np.inf > np.nan)
False

Result for print(np.nan - np.nan)
nan

Result for print(0.3 == 3 * 0.1)
False
```

```
Q4. Given Series :
    0
              amrita
   1
              school
                  of
       engineering
             chennai
   4
              campus
   dtype: object
   After capitalizing : Amrita School Of Engineering Chennai Campus
Q5. 2. Multiplying a matrix
    First Array :
    [[1 2 3]
    [4 5 6]
    [7 8 9]]
    Shape: (3, 3)
    Second Array :
    [[1 0 0]
    [0 1 0]
    [0 0 1]]
    Shape: (3, 3)
    A X B =
    [[1 2 3]
    [4 5 6]
    [7 8 9]]
    5.Re-Dimensioning an array
    Before Re-Dimensioning:
    [[1 2 3 4]
    [5 6 7 8]]
    Shape: (2, 4)
    After Re-Dimensioning:
    [[1 2]
    [3 4]
    [5 6]
    [7 8]]
    Shape : (4, 2)
```