



# TASK 8

[PYTHON - MEDICORE LVL]

VISHNU KASILYA 21064 – CSE AI

## Question-1

```
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> & "C:/Users/VISHNU KASILYA/OneDrive/Desktop/git conf/Task8/interleaved.py"
Enter the first number: 10
Enter the last number: 14
[10 11 12 13 14]
Enter the no. of zeros to be interleaved: 5

[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.]
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> 
```

## Question-2

```
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> & "C:/Users/VISHNU KASILYA/OneDrive/Desktop/git conf/Task8/compare_arrays.py"
First array:
[0 1 1 1 0 0]
Second array:
[0 0 0 1 1]
To check if two arrays are equal
False
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> 
```

## Question-3

```
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> & "C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8\Task8.py"
nan
True
False
nan
False
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> █
```

## Question-4

```
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> & "C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8\Task8.py"
Amrita School Of Engineering Chennai Campus
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> █
```

## Question-5

```
The addition of two arrays:

[ 7  3  6 10  9]

Matrix A
([1, 2, 5], [4, -4, 8], [9, -2, -3])
Matrix B
([2, 4, -1], [2, 7, 3], [1, -6, 0])

The multiplication of two matrices is

[[ 11 -12  5]
 [  8 -60 -16]
 [ 11  40 -15]]
PS C:\Users\VISHNU KASILYA\OneDrive\Desktop\git conf\Task8> █
```