## <u>TASK – 8</u>

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# 1) Question-1

Five consecutive zeroes interleaved between each value in the vector [10, 11, 12, 13, 14]

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                                                     import numpy
nums = numpy.array([10,11,12,13,14])
print ("Previous array:")
print (nums)
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                                                    p=50 new_nums = numpy.zeros(len(nums)+(len(nums)-1)*(p))
new_nums [ ::p+1] = nums
print ("\n New array :")
print ( new_nums)
                                               New array:
[10. 0. 0. 0. 0. 0. 11. 0. 0. 0. 0. 0. 12. 0. 0. 0. 0. 13. 0. 0. 0. 0. 14.]
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### 2) Question-2

Considering two random arrays and checking whether they are equal or not.

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### 3) Question-3

Outputs of the given expression after checking

## 4) Question-4

Converting first character of the each element of given series as an uppercase letter

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Write your code in this editor and press "Run" button to execute it.
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print ("Original string")
print(p)
result = p.title()
print (" capitalize first letter of each word:")
print (result)
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### 5) Question-5

a. Addition of two numpy arrays:

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                                                                                                                                                                                output_Array = numpy.add(Array1, Array2)
print ("added array : ", output_Array)
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## b. Matrix multiplication using numpy.

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