**EDS practical no3(numpy)**

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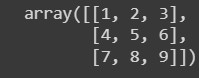
**Roll no: 814**

**BATCH : H1**

**PRN no : 202201070075**

import numpy as np array1=np.array([[1,2,3],[4,5,6],[7,8,9]]) array1

## Output -



array2=np.array([[11,12,13],[14,15,16],[17,18,19]]) array2

## Output -

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# 1. Matrix Operation

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| **1.1 Addition** |
| resultarray=array1+array2 print("\nUsing Operator:\n",resultarray) resultarray=np.add(array1,array2) print("\nUsing Numpy Function:\n",resultarray) |

## Output -

A screenshot of a computer program

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| **1.2. Subtraction** |
| resultarray=array1-array2 print("\nUsing Operator:\n",resultarray) resultarray=np.subtract(array1,array2) print("\nUsing Numpy Function:\n",resultarray) |

## Output -

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| **1.3. Multiplication** |
| resultarray=array1\*array2 print("\nUsing Operator:\n",resultarray) resultarray=np.multiply(array1,array2) print("\nUsing Numpy Function:\n",resultarray) |

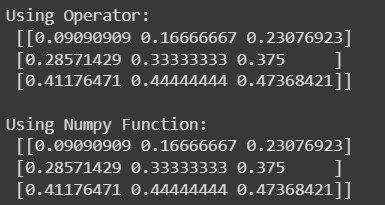
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| **1.4. Division** |
| resultarray=array1/array2 print("\nUsing Operator:\n",resultarray) resultarray=np.divide(array1,array2) print("\nUsing Numpy Function:\n",resultarray) |

## Output –



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| **1.5. Mod** |
| resultarray=array1%array2 print("\nUsing Operator:\n",resultarray) resultarray=np.mod(array1,array2) print("\nUsing Numpy Function:\n",resultarray |

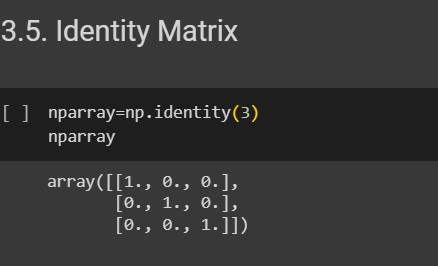
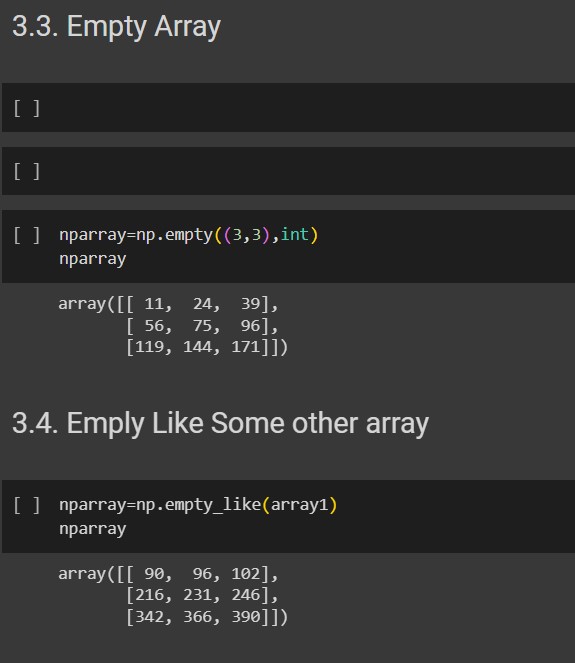
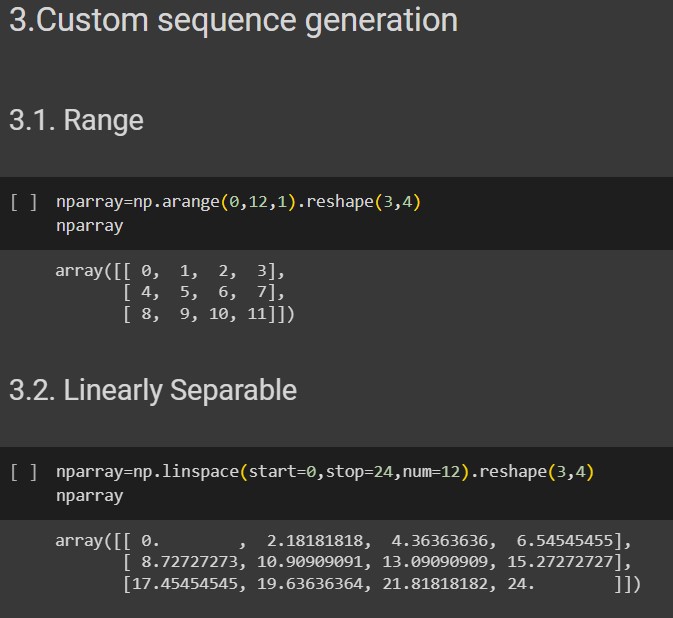
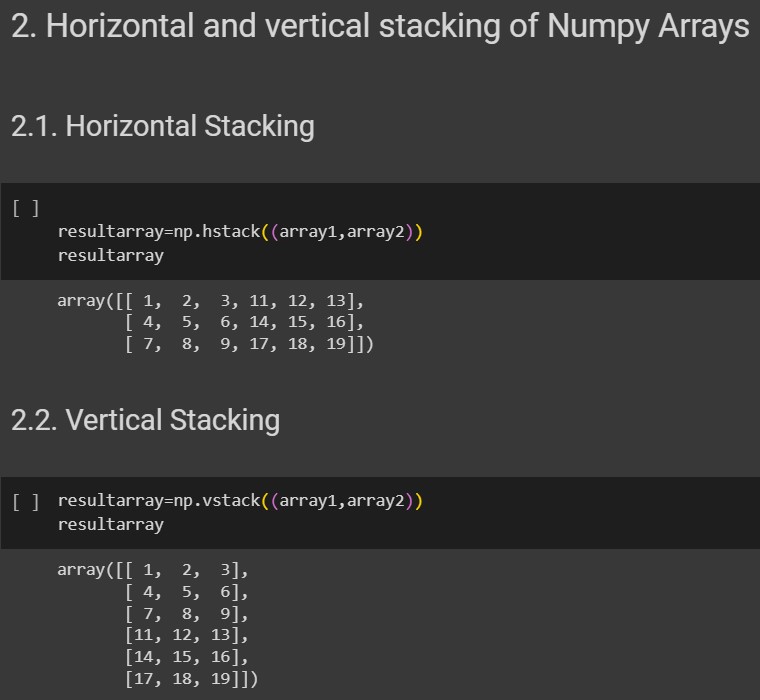
## Output –

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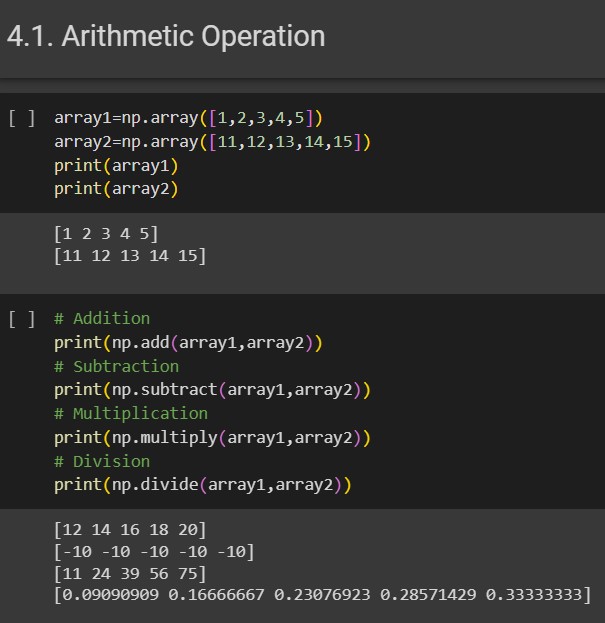
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# 4. Arithmetic and Statistical Operations, Mathematical Operations, Bitwise Operators



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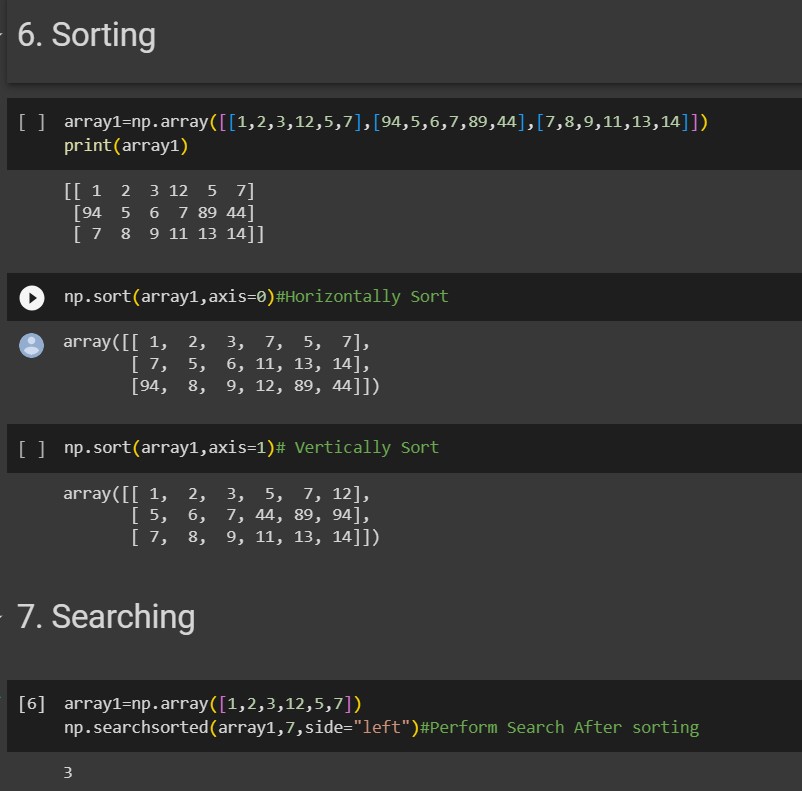
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## 5.Copying and viewing arrays

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