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TASK 2.2

In [1]:

```
import numpy as np
Matrix = np.random.randint(3,8,[6,4])
Matrix
```

Out[1]:

```
array([[6, 7, 3, 4],
       [6, 7, 4, 7],
       [4, 4, 6, 4],
       [6, 5, 7, 6],
       [6, 6, 5, 5],
       [6, 5, 7, 3]])
```

In [2]:

```
x = Matrix[0]
x
```

Out[2]:

```
array([6, 7, 3, 4])
```

In [3]:

```
y = Matrix[2:3]
y
```

Out[3]:

```
array([[4, 4, 6, 4]])
```

In [4]:

```
sum_1 = x + y
sum_1
```

Out[4]:

```
array([[10, 11, 9, 8]])
```

In [5]:

```
sum_2 = [Matrix[1]+Matrix[3]]
sum_2
```

Out[5]:

```
[array([12, 12, 11, 13])]
```

In [6]:

```
Resultant_Matrix = np.concatenate((Matrix[:4],sum_1,sum_2))
Resultant_Matrix
```

Out[6]:

```
array([[ 6,  7,  3,  4],
       [ 6,  7,  4,  7],
       [ 4,  4,  6,  4],
       [ 6,  5,  7,  6],
       [10, 11,  9,  8],
       [12, 12, 11, 13]])
```

In []: