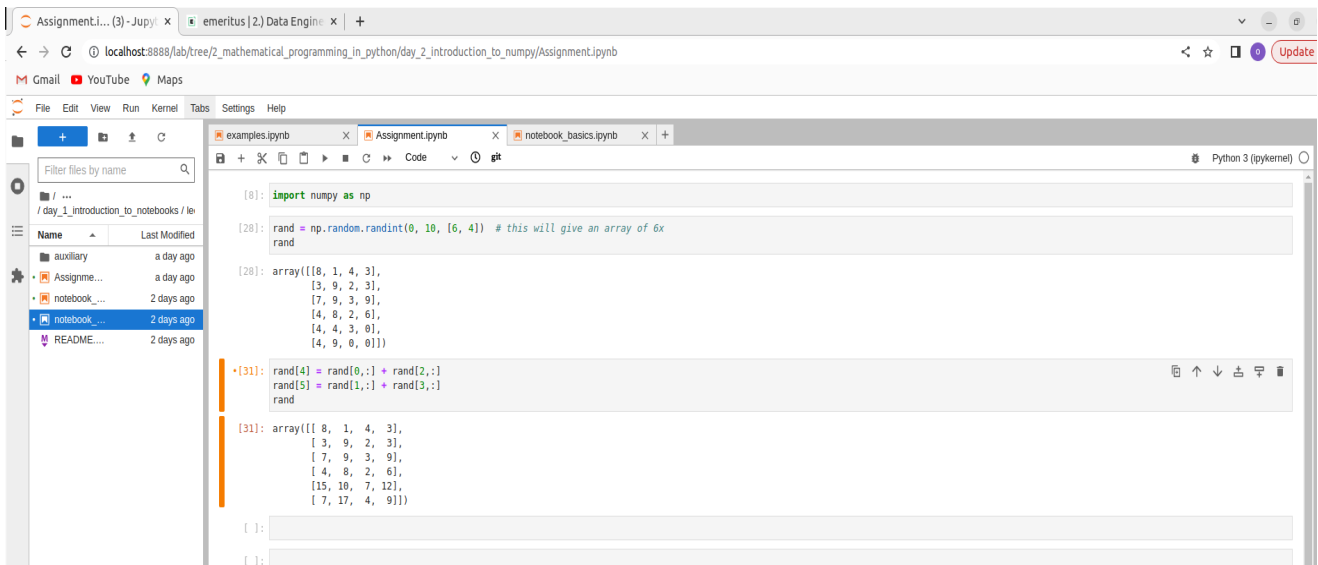


Assignment 2.2

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The screenshot shows a Jupyter Notebook with three tabs: 'examples.ipynb', 'Assignment.ipynb', and 'notebook_basics.ipynb'. The 'Assignment.ipynb' tab is active, displaying the following code and output:

```
[0]: import numpy as np

[28]: rand = np.random.randint(0, 10, [6, 4]) # this will give an array of 6x4
      rand

[29]: array([[8, 1, 4, 3],
           [3, 9, 2, 3],
           [7, 9, 3, 9],
           [4, 8, 2, 6],
           [4, 4, 3, 0],
           [4, 9, 0, 0]])

[31]: rand[4] = rand[0,:] + rand[2,:]
      rand[5] = rand[1,:] + rand[3,:]
      rand

[31]: array([[ 8,  1,  4,  3],
           [ 3,  9,  2,  3],
           [ 7,  9,  3,  9],
           [ 4,  8,  2,  6],
           [15, 10,  7, 12],
           [ 7, 17,  4,  9]])
```

First, we built a matrix of 6x4 array using
`rand = np.random.randint(0, 10, [6, 4])` # this will give an array of 6x4

it will generate

```
array([[8, 1, 4, 3],
       [3, 9, 2, 3],
       [7, 9, 3, 9],
       [4, 8, 2, 6],
       [4, 4, 3, 0],
       [4, 9, 0, 0]])
```

[31]:

It will give an array of 6x4 and numbers in that array are in the range of 0 to 10

then After applying the given condition

```
rand[4] = rand[0,:] + rand[2,:]
rand[5] = rand[1,:] + rand[3,:]
```

```
array([[ 8,  1,  4,  3],
       [ 3,  9,  2,  3],
```

```
[ 7, 9, 3, 9],  
[ 4, 8, 2, 6],  
[15, 10, 7, 12],  
[ 7, 17, 4, 9]])
```