Unit 2.2 Graded Assignment: Numpy - build matrix

Instructions:

Build a 6x4 matrix of random numbers.

Using slicing, replace rows 5-6 of the matrix so that the 5th row becomes a sum of the 1st and the 3rd row, and the 6th row becomes a sum of the 2nd and the 4th one.

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Solution:

In this assignment we use numpy to create matrix and change position 5 by adding position 1 and 3 similarly for position 6 adding position 2 and 4

after adding we got this matrix

```
[7]: array([[43, 5, 6, 15],
[20, 22, 246],
[20, 23, 39],
[34, 42, 41, 10],
[47, 18, 14, 8],
[48, 48, 46, 61])

[8]: arr[4]=add_of_1_and_3_row

[9]: array([63, 31, 35, 54])

[10]: arr[5]=add_of_2_and_4_row

[11]: arrs[5]

[11]: array([70, 84, 63, 56])

after changing array (position 5 and and position 6)

[12]: arr
[12]: array([43, 5, 6, 15],
[36, 42, 22, 46],
[20, 20, 39],
[34, 42, 41, 10],
[63, 31, 35, 54],
[70, 84, 63, 56]])
```