

Members:

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1. Initially an array of shape [6,4] was created with random numbers ranging from 0 to 100.

```
[36]: sample=np.random.randint(0,100, [6, 4])  
sample
```

```
[36]: array([[17, 49, 86, 51],  
            [72, 64,  1, 65],  
            [70, 31, 46,  5],  
            [82, 28, 49,  7],  
            [ 4, 59, 77, 30],  
            [40, 99, 97,  2]])
```

2. Rows 1 and 3 were summed and its result replaced with row 5

```
•[40]: sample[4,]=sample[0,:] + sample[2,:]  
sample
```

```
[40]: array([[ 17,  49,  86,  51],  
            [ 72,  64,   1,  65],  
            [ 70,  31,  46,   5],  
            [ 82,  28,  49,   7],  
            [ 87,  80, 132,  56],  
            [154,  92,  50,  72]])
```

3. Rows 2 and 4 summed and its result replaced with row 6

```
[42]: sample[5,]=sample[1,:] + sample[3,:]  
sample
```

```
[42]: array([[ 17,  49,  86,  51],  
            [ 72,  64,   1,  65],  
            [ 70,  31,  46,   5],  
            [ 82,  28,  49,   7],  
            [ 87,  80, 132,  56],  
            [154,  92,  50,  72]])
```