8/7/23, 5:29 PM Numpy_6

Find 1st row 3rd row and 5th row

Fancy Indexing

```
arr8[[0,2,4]]
 In [5]:
         array([[ 0, 1, 2, 3],
Out[5]:
                [8, 9, 10, 11],
                [16, 17, 18, 19]])
         arr=np.random.randint(low=1, high=100, size=20).reshape(4,5)
In [28]:
         array([[24, 79, 25, 31, 70],
Out[28]:
                [86, 96, 49, 27, 63],
                [67, 49, 93, 23, 46],
                [ 5, 46, 67, 46, 92]])
In [30]:
         arr[0][2]
         25
Out[30]:
In [31]:
         arr>50
         array([[False, True, False, False, True],
Out[31]:
                [ True, True, False, False, True],
                [ True, False, True, False, False],
                [False, False, True, False, True]])
```

Indexing using Boolean array

```
In [32]: arr[arr>50]
Out[32]: array([79, 70, 86, 96, 63, 67, 93, 67, 92])
In [33]: arr[(arr>50) & (arr%2!=0)]
Out[33]: array([79, 63, 67, 93, 67])
```

Put 0 which is >50 and odd

8/7/23, 5:29 PM Numpy_6