

CHAPTER 6

ARRAYS

PART 3

ARRAY 2D



What this code will print ?

```
a = [1, 2, 3]
```

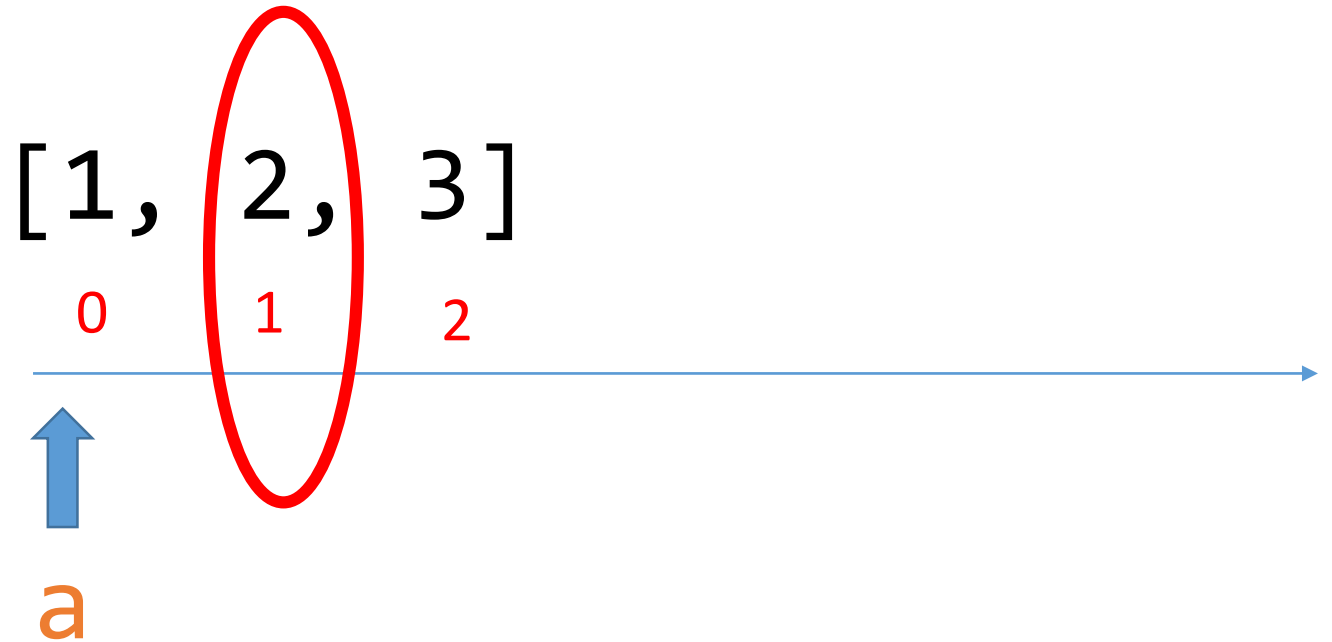
```
print(a[1] )
```



What this code will print ?

```
a = [1, 2, 3]
```

```
print(a[1] )
```





What this code will print ?

```
a = [ [1, 2, 3], [4, 5, 6] ]
```

```
print(a[1] )
```



What this code will print ?

```
a = [ [1, 2, 3], [4, 5, 6] ]
```

```
print(a[1] )
```

[[1,	2,	3],	[4,	5,	6]]
	0	1	2		0	1	2

0

1



a



What this code will print ?

```
a = [ [1, 2, 3], [4, 5, 6] ]
```

```
print(a[1][2] )
```



What this code will print ?

```
a = [ [1, 2, 3], [4, 5, 6] ]
```

```
print(a[1][2] )
```

[[1, 2, 3], [4, 5, 6]]

0 1 2 0 1 2

0

1



a



What this code will print ?

```
a = [ [1, 2, 3], [4, 5, 6] , [7, 8, 9] ]
```

```
print(a[2][2] )
```


An array 2 D is an array of array

Each array has SAME size :

$a = [[1, 2, 3], [4, 5, 6, 10], [7, 8, 9]]$

1, 2, 3

4, 5, 6

7, 8, 9

1, 3, 9

3, 1, 9



rows

columns

1, 2, 3

4, 5, 6

7, 8, 9

1, 2, 7



How to access to this element ?

1,	2,	3
4,	5,	6
7,	8,	9



```
a = [ [1, 2, 3], [4, 5, 6] , [7, 8, 9] ]
```

```
print(a[?][?] )
```



How to access to this element ?

1,	2,	3
4,	5,	6
7,	8,	9



```
a = [ [1, 2, 3], [4, 5, 6] , [7, 8, 9] ]
```

```
print(a[?][?])
```



Write code to display the first column as follows



1, 7, 3, 4
5, 6, 7, 8
9, 1, 1, 1

1-7-3-4-

```
a = [[1, 7, 3, 4], [5, 6, 7, 8] , [9, 1, 1, 1]]
```

```
# Your code
```



Write code to display all numbers of last ROW



1, 7, 3, 4
5, 6, 7, 8
9, 1, 1, 1

9-1-1-1-

```
a = [[1, 7, 3, 4], [5, 6, 7, 8] , [9, 1, 1, 1]]
```

```
# Your code
```



Write code to display all numbers of last column

1, 7, 3, 4
5, 6, 7, 8
9, 1, 1, 1



4-8-1-

```
a = [[1, 7, 3, 4], [5, 6, 7, 8] , [9, 1, 1, 1]]
```

```
# Your code
```