Python

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Last Name: _____ First Name: _____

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Exercise 1

```python
def exercise1():
    array = [1, 2, 3, 4]
    print(array[1])

exercise1()
```

Exercise 2

```python
def exercise2():
    array = ["A", 2, "B", 4]
    print(array[3])

exercise2()
```

Exercise 3

```python
def exercise3():
    array = [[1], [2,3], [4]]
    print(array[2])

exercise3()
```

Exercise 4

```python
def exercise4():
    array = [[1], [2,3], [4]]
    for i in array:
        print(array[i])

exercise4()
```

Exercise 5

```python
def exercise5():
    array = ["A", "B", "C", "D"]
    for i in range(len(array)):
        print(i)

exercise5()
```

Exercise 6

```python
def exercise6():
    array = [1, "B", 4, "D"]
    for i in range(len(array)):
        if isinstance(array[i], int):
            print(i)

exercise6()
```

Exercise 7

```python
def exercise7():
    array = [1, "B", 4, "D"]
    for i in range(len(array)):
        if isinstance(i, int):
            print(i)

exercise7()
```

Exercise 8

```python
def exercise8():
    array = [[1, "B", 4, "D"], [1,2], [3,4,5]]
    for i in array:
        print(len(i))

exercise8()
```

Exercise 9

```python
def exercise9():
    array = [3]
    array.append(4)
    array.append(7)
    array.append([1,2,3])
    print(array)

exercise9()
```

Exercise 10

```python
def exercise10():
    array = [1,2,3,4]
    array2 = [4,5,6,7]

    for i in array:
        if i <3:
            print(i)
    for i in array2:
        if i >5:
            print(i)
exercise10()
```