

STRING

LOOP BY INDEX

```
text = "PNC"  
for index in range(len(text)):  
    print("index:" + str(index))  
    print("value:" + text[index])
```

OUTPUT

```
>index: 0  
>value: P  
>index: 1  
>value: N  
>index: 2  
>value: C
```

LOOP BY VALUE

```
text = "PNC"  
for character in text:  
    print(character)
```

OUTPUT

```
>P  
>N  
>C
```

ARRAY

LOOP BY INDEX

```
numbers = [1, 4, 7, 2]
for index in range(len(numbers)):
    print("index:" + str(index))
    print("value:" + numbers[index])
```

OUTPUT

```
>index: 0
>value: 1
>index: 1
>value: 4
>index: 2
>value: 7
>index: 3
>value: 2
```

LOOP BY VALUE

```
numbers = [1, 4, 7, 2]
for number in numbers:
    print(number)
```

OUTPUT

```
>1
>4
>7
>2
```

DICTIONARIES

LOOP BY KEY

```
teachersDictionary = {  
    "Rady" : 26  
    "Ronan" : 50,  
    "Jonathan" : 49  
}  
  
for key in teachersDictionary :  
    print(" Key: " + key)  
    print(" Value: " + teachersDictionary[key])
```

OUTPUT

```
>key: Rady  
>Value: 26  
>Key: Ronan  
>Value: 50  
>Key: Jonathan  
>Value: 49
```