

# **Examples of Negative slicing in python**

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## Examples for Negative Slicing

- `myList = ['A', 'B', 'C', 'D', 'E']`  
`print(myList[-1])`
- **Output:** E
- Calling `s[0:-1]` is exactly the same as calling `s[:-1]`
- `mystr = "Hello" print(mystr[-2:])`
- **Output:** lo
- `mystr = "Hello" print(mystr[:-3])`
- **Output:** He

# Using index() + len()

# Python3 code to demonstrate working of

# Negative index of Element

# Using index() + len()

# initializing list

```
test_list = [5, 7, 8, 2, 3, 5, 1]
```

# printing original list

```
print("The original list is : " + str(test_list))
```

# initializing Element

```
K = 3
```

# getting length using len() and subtracting index from it

```
res = len(test_list) - test_list.index(K)
```

# printing result

```
print("The required Negative index : -" + str(res))
```

## Lower Case

```
sentence = 'There are more trees on Earth than  
stars in the Milky Way galaxy'  
word = 'milky'  
if word in sentence.lower():  
    print('Word found.')
```

# Strings

```
# example string str1 = "It should be uppercase!"  
print(str1.upper())  
# string with numbers  
# all alphabets would be lowercase  
str2 = "L8w9rCas99!"  
print(str2.upper())
```

**Output:**

```
IT SHOULD BE UPPERCASE!  
L8W9RCAS99!
```

# String Checking

```
firstString = "PYTHON!"  
secondString = "PyThOn!"  
if(firstString == secondString):  
    print("The strings are same.")  
else:  
    print("The strings are not same.")
```

# String Checking

```
firstString = "PYTHON!"  
secondString = "PyThOn!"  
if (firstString.upper() == secondString.upper()):  
    print("The strings are the same.")  
else: print("The strings are not same.")
```

# Fist Character alone upper case

```
str = "python!"  
print(str[0].upper() + str[1:])
```



# Python string contains the character

```
s = "Hello" c = "H"
if c in s:
    print("Found!")
else:
    print("Not found!")
```

## Using a if ... in statement

```
if 'apples' in 'This string has apples':  
    print('Apples in string')  
else:  
    print('Apples not in string')
```