Strings

Strings: Sequence of Characters

```
print("Hello, USTians!")
```

Double quotation marks

```
Hello, USTians!
```

```
print('Hello, USTians!')
```

Single quotation marks

```
Hello, USTians!
```

```
print('''Hello!
USTians!
Welcome to UST!
''')
```

Multi-line text

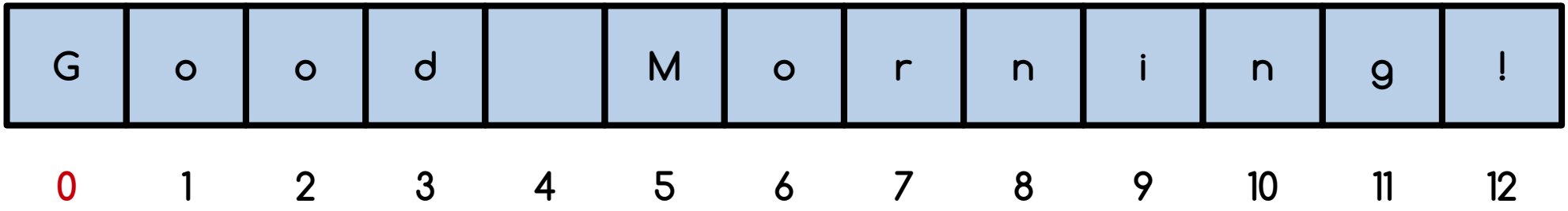
```
Hello!
USTians!
Welcome to UST!
```

Index of Strings

```
a = "Good Morning!"
```

```
print(a[0])
print(a[3])
print(a[12])
```

```
G
d
!
```



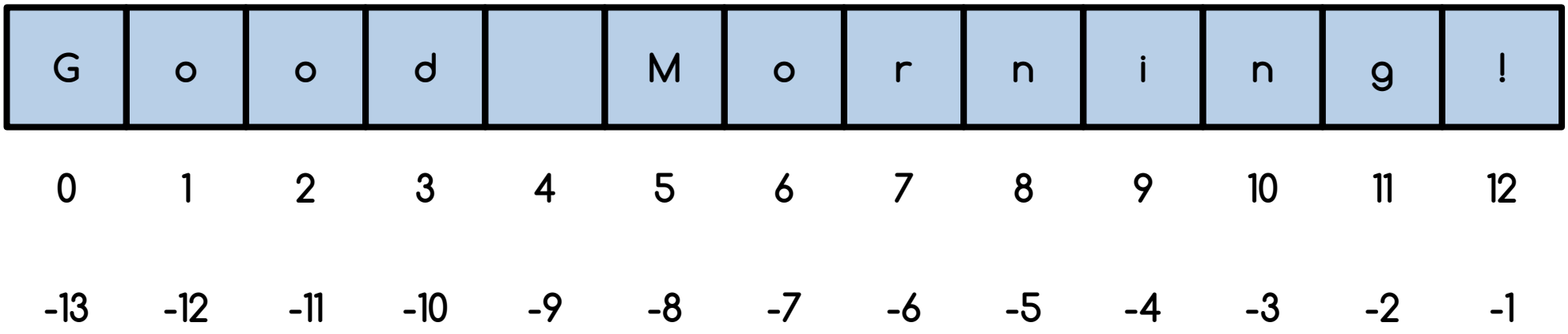
Note that index starts with 0 in Python.

Index of Strings

```
a = "Good Morning!"
```

```
print(a[-5])
print(a[-12])
print(a[-13])
```

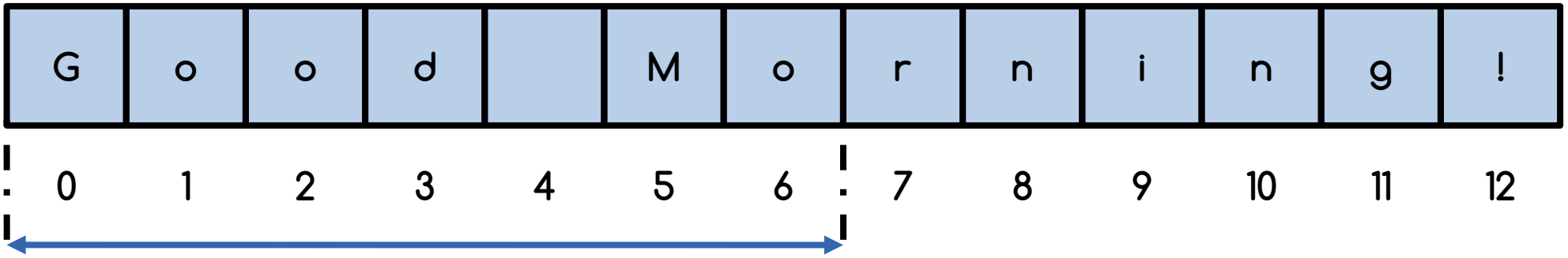
```
n
o
G
```



Slicing Strings

```
print(a[0:7])
```

```
Good Mo
```



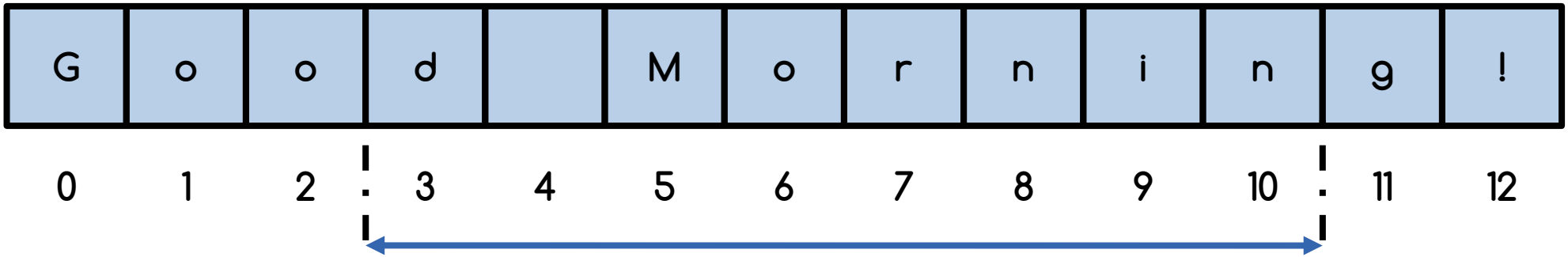
a[0:7] : It spans from 0th element to 6th element.

Note that 7th element is NOT included.

Slicing Strings

```
print(a[3:11])
```

```
d Mornin
```



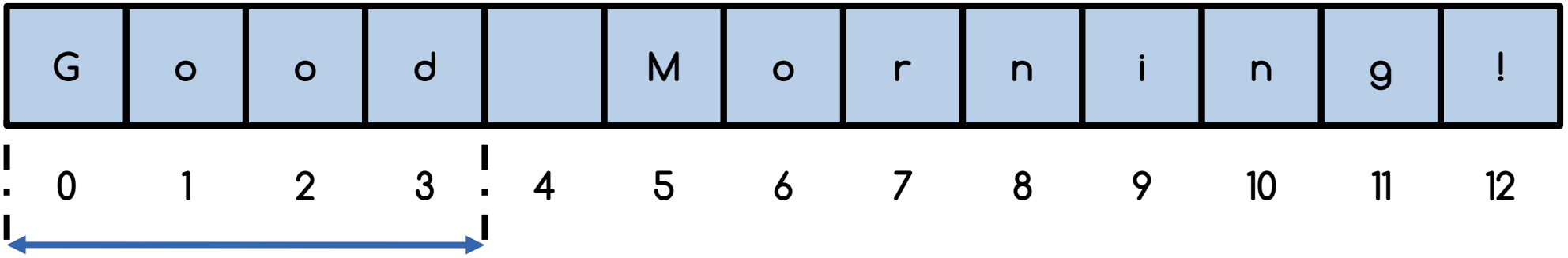
a[m:n] : It starts from m^{th} element, and ends right before n^{th} element.

[from m^{th} element to $(n-1)^{th}$ element]

Slicing Strings

```
print(a[:4])
```

```
Good
```



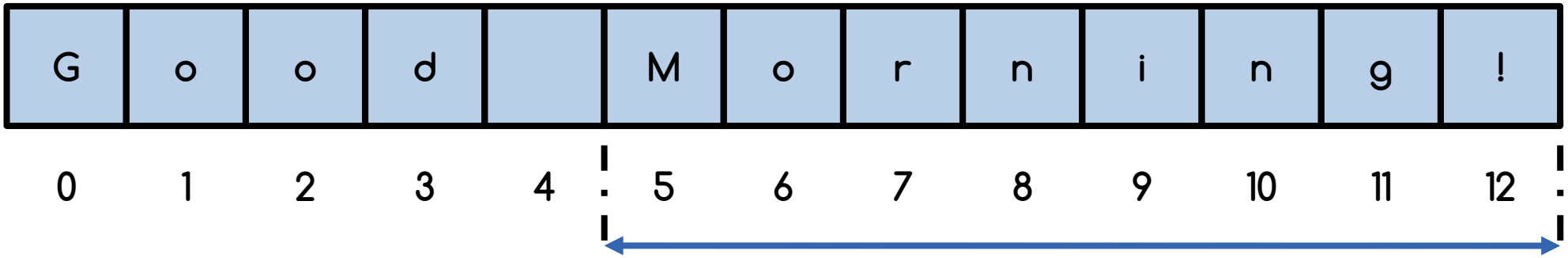
a[:n] : It starts from 0^{th} element, and ends right before n^{th} element.

[from 0^{th} element to $(n-1)^{th}$ element]

Slicing Strings

```
print(a[5:])
```

```
Morning!
```

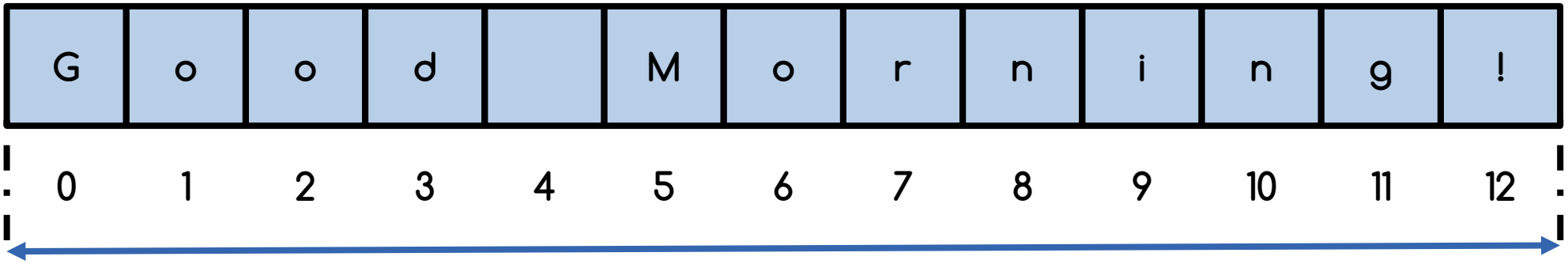


a[m:] : It starts from m^{th} element to the end of the string.

Slicing Strings

```
print(a[:])
```

```
Good Morning!
```



a[:] = a → it starts from the beginning to the end.

Indexing, and Slicing are also applicable to other types of compound variables, such as lists, tuples, etc.

String Operations: len()

```
a = "Good Morning!"
print(len(a))
```

```
13
```