





2

3

4

5

6

S

=

=





Slicing

`s = 'Arthur'`

0 1 2 3 4 5 6

The diagram illustrates string slicing on the string 'Arthur'. The string is written in a large, white, serif font. Above each character is its corresponding index: 0 for 'A', 1 for 'r', 2 for 't', 3 for 'h', 4 for 'u', 5 for 'r', and 6 for the closing quote. Below the string, three double-headed white arrows indicate different slices: the first arrow spans from index 0 to 2 (covering 'Ar'), the second arrow spans from index 3 to 6 (covering 'hur'), and the third arrow spans from index 1 to 4 (covering 'rth').

```
s[0:2] == 'Ar'  
s[3:6] == 'hur'  
s[1:4] == 'rth'
```

Strings

`s = 'Arthur'`

0 1 2 3 4 5 6

← → ← →

The diagram illustrates string indexing for the variable `s` assigned the value `'Arthur'`. Above the string, indices 0 through 6 are shown, corresponding to each character: 'A' at 0, 'r' at 1, 't' at 2, 'h' at 3, 'u' at 4, 'r' at 5, and an implicit end at 6. Below the string, two double-headed arrows indicate slicing ranges: the first arrow spans from index 0 to 2, and the second arrow spans from index 3 to the end of the string.

Implicitly starts at 0

```
s[:2] == 'Ar'
s[3:] == 'hur'
```

Implicitly ends at the end