

# ① Squeeze

"I am a sentence"



"Iam a sentence"

news = ""

i = "H"

news = "H"

i = " "

news = "Hello"

i = "H"  
news = "Hello"

i = "W"

news = "Hello World"

```
def squeeze(sentence):
```

1 → news = ""

2 → for i in sentence:

3 → if i != " ":

4 → news = news + i

5 → return news

print(squeeze("Hello World"))

HowWorld

## ② Trim

"I am a short"

trim

trim

"I am a short"

return trim(trim(s))

```
def trim(s):  
    return trim(trim(s))
```

```
def ltrim(s):
```

```
    i = 0  
    while s[i] == " "  
        i = i + 1
```

```
    return s[i:]
```

```
def rtrim(s):
```

```
    i = len(s) - 1
```

```
    while s[i] == " "
```

```
        i = i - 1
```

```
    return s[:i+1]
```

## Slice

s[start:  
x end]

s[0:9]

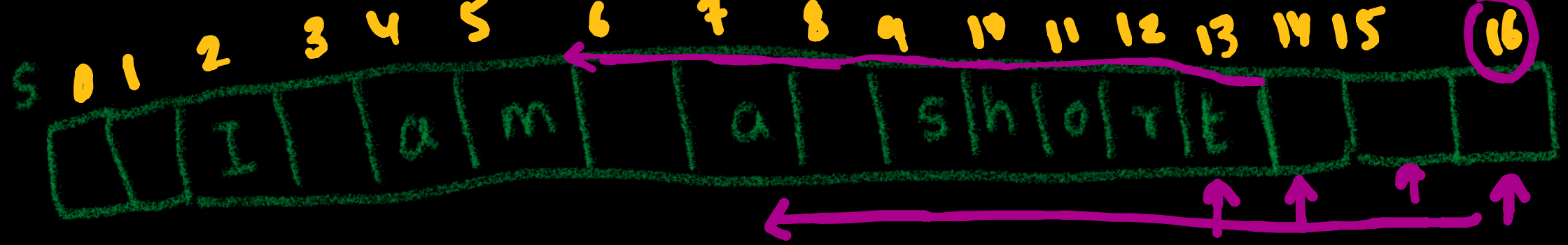
...8...

s[2:5]

...

s[2:]

s[:2]



$\text{len}(s) \rightarrow \underline{\underline{17}}$

$i = \underline{\underline{\text{len}(s) - 1}}$

$s[i] \quad s[16]$

$i = i - 1$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16  
s = "A quick brown fox"  
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

① s[0:5] "A qui"  
slice

② s[1:7] "quick"

③ s[9:14] "rown"

④ s[:14] "A quick brown"

⑤ s[3:] "ick brown fox"

⑥ s[15:] "n"

s[start: end]

[start ... end-1]

### ③ Detecting palindrome

"nitin"  
" " "  
↓  
True / False



```
def isPalindrome(s):
```

```
    i = 0
```

```
    j = len(s) - 1
```

```
    while i <= j:
```

```
        if s[i] != s[j]:
```

```
            return False
```

```
        i = i + 1
```

```
        j = j - 1
```

```
    return True
```