

IQ 1.3 "URLify": Write a method to replace all spaces in a string with '%20'. You may assume that the string has sufficient space at the end to hold the additional characters, and that you are given the true length of the string.

Example:

Input: "Mr John Smith ", 13

Output: "Mr%20John%20Smith"

Solution

Pseudocode: Iterate through char array. If a space is found then we will fill in %20.

Code:

```
public String URLify (String s) {
```

```
    int len = s.length();
```

```
    char[] URL = new char[len * 1.5];
```

```
    for (int i = 0; i < len; i++) {
```

```
        if (s.charAt(i) == ' ') {
```

```
            URL[i] = '%';
```

```
            URL[i+1] = '2';
```

```
            URL[i+2] = '0';
```

```
            i += 2;
```

```
        } else
```

```
            URL[i] = s.charAt(i);
```

```
    } String U = new String(URL);
```

```
    return U;
```

```
}
```