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Python | Padding a string upto fixed length

Given a string, the task is to pad string up to given specific length with whitespaces. Let's discuss few methods to solve the given task.

Method #1: Using `ljust()`

```
# Python code to demonstrate
# pad spaces in string
# upto fixed length

# initialising string
ini_string = "123abcjw"
padding_size = 15

# printing string and its length
print ("initial string : ", ini_string, len(ini_string))

# code to pad spaces in string
res = ini_string.ljust(padding_size)

# printing string and its length
print ("final string : ", res, len(res))
```

Output:

```
initial string : 123abcjw 8
final string : 123abcjw      15
```

Method #2: Using `format`

```
# Python code to demonstrate
# pad spaces in string
# upto fixed length

# initialising string
ini_string = "123abcjw"

# printing string and its length
print ("initial string : ", ini_string, len(ini_string))

# code to pad spaces in string
res = "{:<15}".format(ini_string)

# printing string and its length
print ("final string : ", res, len(res))
```

Output:

```
initial string : 123abcjw 8
final string : 123abcjw      15
```



Method #3: Using operators(* and +)

```
# Python code to demonstrate
# pad spaces in string
# upto fixed length

# initialising string
ini_string = "123abcjw"
padding_size = 15

# printing string and its length
print ("initial string : ", ini_string, len(ini_string))

# code to pad spaces in string
res = ini_string + " "*(padding_size - len(ini_string))

# printing string and its length
print ("final string : ", res, len(res))
```

Output:

```
initial string : 123abcjw 8
final string : 123abcjw      15
```

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