How to Reverse a String in Python

Learn how to reverse a String in Python.

There is no built-in function to reverse a String in Python.

The fastest (and easiest?) way is to use a slice that steps backwards, `-1`.

Example

Reverse the string "Hello World":

```python
txt = "Hello World"[::-1]
print(txt)
```

Run example »

Example Explained

We have a string, "Hello World", which we want to reverse:

The String to Reverse

```python
txt = "Hello World" [::-1]
print(txt)
```

Create a slice that starts at the end of the string, and moves backwards.

The slice statement `[::-1]` is the same as `[11:0:-1]` which means start at position 11 (because "Hello "World" has 11 characters), end at position 0, move with the step `-1`, *negative* one, which means one step backwards.

Slice the String

```
txt = "Hello World" [::-1]
print(txt)
```

Now we have a string `txt` that reads "Hello World" backwards.

Print the String to demonstrate the result

Print the List

```
txt = "Hello World"[::-1]
print(txt)
```

Create a Function

If you like to have a function where you can send your strings, and return them backwards, you can create a function and insert the code from the example above.

Example

```
def my_function(x):
  return x[::-1]

mytxt = my_function("I wonder how this text looks like backwards")

print(mytxt)
```

Run example »

Example Explained

Create a function that takes a String as an argument.

Create a Function

```python
def my_function(x):
  return x[::-1]

mytxt = my_function("I wonder how this text looks like backwards")

print(mytxt)
```

Slice the string starting at the end of the string and move backwards.

Slice the String

```python
def my_function(x):
  return x [::-1]

mytxt = my_function("I wonder how this text looks like backwards")

print(mytxt)
```

Return the backward String

Return the String

```python
def my_function(x):
  return x[::-1]

mytxt = my_function("I wonder how this text looks like backwards")

print(mytxt )
```

Call the function, with a string as a parameter:

Call the Function

```python
def my_function(x):
  return x[::-1]

mytxt = my_function("I wonder how this text looks like backwards")

print(mytxt)
```

Print the result:

Print the Result

```python
def my_function(x):
  return x[::-1]

mytxt = my_function("I wonder how this text looks like backwards")

print(mytxt)
```

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