

```
In [1]: 'hello'
```

```
Out[1]: 'hello'
```

```
In [2]: "world"
```

```
Out[2]: 'world'
```

```
In [3]: 'this is also a string'
```

```
Out[3]: 'this is also a string'
```

```
In [4]: 'I'm going on a run'
```

```
File "C:\Users\Keegz\AppData\Local\Temp\ipykernel_8692\375039999.py", line 1
    'I'm going on a run'
    ^
SyntaxError: invalid syntax
```

We see an error above, and this is due to the use of single quotes, so instead, we should wrap it in double quotes like so: "I'm going on a run"

```
In [5]: " I'm going on a run"
```

```
Out[5]: " I'm going on a run"
```

The cells above are just returning the values hello and world, instead we want the string to actually print, we can achieve this by doing the following:

```
In [6]: print("hello")
```

```
hello
```

```
In [7]: "hello world one"
        "hello world two"
```

```
Out[7]: 'hello world two'
```

We see above, only hello world two being returned. We can do the following to rectify this:

```
In [8]: print ("hello world one")
        print ("hello world two")
```

```
hello world one
hello world two
```

There are also escape sequences which allows us to have special commands inside of our string
Like so:

```
In [9]: print ('hello world')
```

```
hello world
```

```
In [12]: print ('hello \nworld')
```

```
hello
world
```

We see pictured above the `\n` allows us to print 'world' on a new line

Another popular escape sequence is tab which will be `\t` like so!:

```
In [13]: print ('hello \tworld')
```

```
hello  world
```

Length function which is 'len' which allows us to check the length of the string, like so:

```
In [14]: len('hello')
```

```
Out[14]: 5
```

Its important to note, spaces in a string are also counted, like so:

```
In [16]: len('I am')
```

```
Out[16]: 4
```

```
In [1]: mystring = 'Hello World'
```

```
In [2]: mystring
```

```
Out[2]: 'Hello World'
```

```
In [3]: mystring[0]
```

```
Out[3]: 'H'
```

```
In [4]: mystring[8]
```

```
Out[4]: 'r'
```

```
In [5]: mystring [9]
```

```
Out[5]: 'l'
```

```
In [6]: mystring [-2]
```

```
Out[6]: 'l'
```

```
In [7]: mystring
```

```
Out[7]: 'Hello World'
```

```
mystring='abcdefghijk'
```

```
In [10]: mystring[2:]
```

```
Out[10]: 'cdefghijk'
```

```
In [11]: mystring[2::2]
```

```
Out[11]: 'cegi k'
```

```
In [13]: mystring[:3]
```

```
Out[13]: 'abc'
```

```
In [14]: mystring[3:6]
```

```
Out[14]: 'def'
```

```
In [15]: mystring[1:3]
```

```
Out[15]: 'bc'
```

```
In [16]: mystring[::2]
```

```
Out[16]: 'acegi k'
```

```
In [17]: mystring[::3]
```

```
Out[17]: 'adj '
```

```
In [4]: mystring='abcdefghijk'
```

```
In [5]: mystring[::-1]
```

```
Out[5]: 'kjihgfedcba'
```

```
In [ ]:
```