⌄ **2. Strings(cont.)**

```python
S = 'Spam Index'
```

```python
print(len(S))
S[len(S)-1]
```

⇥   10
     'x'

```python
S[:] #All of S as a top-level copy (0:len(S))
```

⇥   'Spam Index'

```python
S + 'xyz' # Concatenation
```

⇥   'Spam Indexxyz'

```python
S # S is unchanged
```

⇥   'Spam Index'

```python
S= S +'xyz'
S
```

⇥   'Spam Indexxyz'

```python
S * 8 # Repetition
```

⇥   'Spam IndexxyzSpam IndexxyzSpam IndexxyzSpam IndexxyzSpam IndexxyzSpam IndexxyzSpa
     m IndexxyzSpam Indexxyz'

```python
S[0] = 'z' # Immutable objects cannot be changed
```

⇥   ---
     TypeError   Traceback (most recent call last)
     <ipython-input-11-d6107d812b2e> in <cell line: 1>()
     ----> 1 S[0] = 'z' # Immutable objects cannot be changed

     TypeError: 'str' object does not support item assignment

```python
S = 'z' + S[1:] # But we can run expressions to make new objects
```

```python
S
```

⇥   'zpam Indexxyz'