



### Python Strings Toolbox

Function	Result	Notes:
<code>word = "Canada"</code> <code>print(len(word))</code>	6	
<code>print("q"*10)</code>	qqqqqqqqqq	
<code>"a b c d e f".split(" ")</code>	['a', 'b', 'c', 'd', 'e', 'f']	
<code>list("abcdef")</code>	['a', 'b', 'c', 'd', 'e', 'f']	
<code>"abracadabra".count("a")</code>	5	
<code>"Jelly Beans".upper()</code>	JELLY BEANS	
<code>"Jelly Beans".lower()</code>	jelly beans	
<code>"Jelly Beans".find("y")</code>	4	
<code>"Jelly Beans".replace("e", "o")</code>	Jolly Boans	
<code>word = "Jelly Beans"</code> <code>print(word[0:4])</code>	Jell	
<code>word = "Jelly Beans"</code> <code>print(word[4:])</code>	y Beans	
<code>word = "Jelly Beans"</code> <code>print(word[6])</code>	B	
<code>word = "Jelly Beans"</code> <code>print(word[-1])</code>	s	
<code>word = "Jelly Beans"</code> <code>print(word[3:9:2])</code>	l e	Start at 3, End = 9, Skip by 2
<code>word = "Jelly Beans"</code> <code>print(word[10:5:-1])</code>	snaeB	Go in reverse order



## String Exercises

Ask the user for a word/phrase, and then do each of the following to it. An example for each is given.

Enter a word or phrase:

>abracadabra

- Print the word in UPPER and lower, together:  
ABRACADABRAabracadabra
- Determine if the word or phrase is an email address:  
abracadabra is not an email address
- Count all "a"s (include upper and lower case)  
There are 5 a's in abracadabra
- Remove all "a"s  
brcdbr
- Reverse the word  
arbadacarba
- Rotate the word left 3 characters (see example)  
acadabraabr
- Rotate the word right 5 characters (see example)  
dabraabraca
- Swap the even indexed characters with the odd indexed characters  
baaracadrba
- Rearrange the letters into alphabetical order  
aaaaabbcdrr
- Determine if the word is a palindrome  
abracadabra is not a palindrome
- Make a box with the word (across, down, reversed, up)  
arbadacarba  
b                    r  
r                    b  
a                    a  
c                    d  
a                    a  
d                    c  
a                    a  
b                    r  
r                    b  
abracadabra

