







Compare Solutions words = sentence.split()		Both are valid solutions. I'm not sure which is more efficient in practice.	
<pre>shorthandList = [] for word in words:     shorthandList.append(word[0])</pre>		However, the solution at left has more conceptual	
<pre>shorthand = "".join(shorthandList)</pre>		complexity (appending to a	
<pre>shorthand = shorthand.lower() </pre>		list and then converting to a string, as opposed to just	
print("Shorthana is:", shorthana)		creating the string).	
In general, looking for less	<pre>words = sentence.split()</pre>		
complex solutions.	shorthand="" for word in words:		
Saw similar, more complex	Shor chuna += wora[0]		
solutions for the password	<pre>shorthand = shorthand.lower()</pre>		
generation problem.	<pre>print("Shorthand is:", shorthand)</pre>		
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Generating a Random Password			
CHOOSE_NUM=0 CHOOSE_LOWER=1 CHOOSE_UPPER=2	Define outside of <b>for</b> loop		
password="" len_password = randint(6,8)		+ Good variable names	
<pre>for charPos in range(len_password):     #determines if character is number, uppercase, or lowercase     char_type = randint(0,2)     #for each case, randomly assigns ASCII val     if char_type == CHOOSE_NUME:         asciival = randint(48,57)     elif char_type == CHOOSE_LOWER:         asciival = randint(97,122)     elif char_type == CHOOSE_LUPPER:         asciival = randint(65,90)     char = chr(asciival)     password += char</pre>			
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## Lab 7

- Function practice
- Defining functions (refactoring)

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• File practice

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