



Comprehensions in Python Challenges

#	Question
1.	<p>Write a Python program to convert the list of strings</p> <p>colors = ['Red', 'Blue', 'Green', 'Black', 'White'] to a list of upper case strings</p> <p>Expected output:</p> <p>['RED', 'BLUE', 'GREEN', 'BLACK', 'WHITE']</p>
2.	<p>Write a Python program to create a list of numbers that are divisible by 6 in the range (0,100)</p> <p>Expected output:</p> <p>[0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96]</p>

#	Question
3.	<p>Write a Python program to create a new list which contains square root of the given list items [16, -4, 49, 0, -9, 25, -36] in case it is possible, and 0 otherwise</p> <p>Expected output:</p> <p>[4.0, 0, 7.0, 0, 0, 5.0, 0]</p>
4.	<p>Write a Python program to create a set containing only integers from the given list</p> <p>[19, 23, 45, 'a', 'b', 5, 'r']</p> <p>Expected output:</p> <p>{0, 5, 45, 19, 23}</p>
5.	<p>Write a Python program to create a dictionary from the given tuple</p> <p>fruit = ("apple", "banana", "cherry")</p> <p>where the key is the tuple element index, and the value is the element itself</p> <p>Expected output:</p> <p>{0: 'apple', 1: 'banana', 2: 'cherry'}</p>

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