



Python Sets Challenges

#	Question
1.	<p>Write a Python program to:</p> <ol style="list-style-type: none"> Create a set containing your favorite colors. Assume (yellow - green) Are {'white', 'blue'} part of your favorite colors (answer in two different ways) Are your favorite colors part of { 'white', 'blue', 'brown', 'red', 'yellow', 'green', 'pink' } (answer in two different ways) Determine how many items in your set <p>Expected output:</p> <ol style="list-style-type: none"> { 'green', 'yellow' } False True 2

#	Question
2.	<p>Assume you have $s1 = \{10, 23, 65, 78, 90, 54\}$:</p> <ol style="list-style-type: none"> Find the minimum number in $s1$ Find the maximum number in $s1$ Find the summation of $s1$ set numbers Add 100 to $s1$ Find the difference between $s1$ and $s2$ where $s2 = \{66, 77, 88, 65, 10\}$ (answer in two different ways) What are the shared numbers between $s1$, $s3$ where $s3 = \{67, 78, 9, 11, 12\}$ (answer in two different ways) Find the union of $s1$, $s4$ where $s4 = \{'w', 'p', 'q'\}$ (answer in two different ways)



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2.	<p>Expected output:</p> <ul style="list-style-type: none"> a. 10 b. 90 c. 320 d. {65, 100, 10, 78, 54, 23, 90} e. {100, 78, 54, 23, 90} f. {78} g. {65, 100, 10, 78, 'q', 'w', 54, 23, 90, 'p'}

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