

## Python List Practice Questions

1	<pre>lst = [1, 2, 3] lst.append(4) print(lst)</pre>	11	<pre>lst = [1, 2, 3] print(len(lst))</pre>
2	<pre>lst = [10, 20, 30] lst.insert(1, 15) print(lst)</pre>	12	<pre>lst = [10, 20, 20, 30] print(lst.count(20))</pre>
3	<pre>lst = [5, 10, 15] lst.pop() print(lst)</pre>	13	<pre>lst = [10, 20, 30] print(20 in lst)</pre>
4	<pre>lst = [1, 2, 3, 4] lst.pop(1) print(lst)</pre>	14	<pre>lst = [10, 20, 30] print(40 in lst)</pre>
5	<pre>lst = [10, 20, 30, 20] lst.remove(20) print(lst)</pre>	15	<pre>lst = [1, 2] lst.extend([3, 4]) print(lst)</pre>
6	<pre>lst = [2, 4, 6, 8] print(lst[1])</pre>	16	<pre>lst = [5, 10, 15] new_lst = lst.copy() new_lst.append(20) print(lst)</pre>
7	<pre>lst = [2, 4, 6, 8] print(lst[-1])</pre>	17	<pre>lst = [5, 10, 15] new_lst = lst.copy() new_lst.append(20) print(new_lst)</pre>
8	<pre>lst = [1, 2, 3, 4, 5] print(lst[1:4])</pre>	18	<pre>lst = [] lst.append(100) print(lst)</pre>
9	<pre>lst = [5, 3, 1] lst.sort() print(lst)</pre>	19	<pre>lst = [1, 2, 3] lst[1] = 10 print(lst)</pre>
10	<pre>lst = [10, 20, 30] lst.reverse() print(lst)</pre>	20	<pre>lst = [1, 2, 3] print(lst * 2)</pre>

## Answers

1: [1, 2, 3, 4]

2: [10, 15, 20, 30]

3: [5, 10]

4: [1, 3, 4]

5: [10, 30, 20]

6: 4

7: 8

8: [2, 3, 4]

9: [1, 3, 5]

10: [30, 20, 10]

11: 3

12: 2

13: True

14: False

15: [1, 2, 3, 4]

16: [5, 10, 15]

17: [5, 10, 15, 20]      18: [100]      19: [1, 10, 3]      20: [1, 2, 3, 1, 2, 3]

### Programming Questions (For all below questions create list with n numbers)

1. Write a program to create a list with n numbers into a list and display their sum.
2. Write a program to find the largest element in a list without using max function
3. Write a program to count how many even numbers are present in a list.
4. Write a program to reverse a list without using the reverse() method.
5. Write a program to remove duplicate elements from a list
6. Write a program to search for an element in a list and display its position.
7. Write a program to create list with sum of digits from a list of numbers.
8. Write a program to find the second smallest number in a list.
9. Write a program to create list with prime numbers from n random numbers
10. Write a program to create lists with even numbers and odd numbers from n random numbers