

Assignment : List Questions

- WAP to create list of the following (take input from the user)
 - Any five student's name
 - Any five numbers
 - Any five alphabets
 - Any five name of colors.
- WAP to accept 10 numbers from the user, if the number is odd and then add that number to the list. (input numbers are: 1,2,3,4,5,6,7,8,9,10)
- WAP to find the second largest number from the following list. A=[23,12,45,67,55]
- Write a program in Python to Input a List from user and traverse it using for loop.
- Write a program which should change all the multiples of 5 in the list to 5 and rest of the elements as 0.
- Write a program in python, which should change all the odd numbers in the list to 1 and even numbers as 0.
- Write a program in python, to add 5 in all the odd values and 10 in all the even values of the list 5.
- Write a program to find the position of max element
- Write a program to delete /remove all the numbers less than 10 form the list.
- Write a program to delete /remove all the odd numbers form the list
- Write a code in python which replaces elements having odd values with thrice its value and elements having even values with twice its value. Example : if an list of five elements initially contains elements as 3, 4, 5, 16, 9 rearrange the content of the list as 9, 8, 15, 32,27
- Write a code in python which rearranges the list in reverse.
Example: If an list of nine elements initially contains the elements as 4, 2, 5, 1,6, 7, 8, 12, 10 rearrange the list as 10, 12, 8, 7, 6, 1, 5, 2, 4
- Write a code in python and swap the elements of every even location with its following odd location. Example : If an list of nine elements initially contains the elements as 2,4,1,6,5,7,9,23,10rearranges the list as as 4,2,6,1,7,5,23,9,10
- Write a code in python which transfer the content from one list
- ALL[] to two list Odd[]and Even[].The Even should contain values from places (0,2,4,.....) of ALL[] and Odd[] should contain values from places (1,3,5,.....).
- What is the difference between del statement and pop() function.
del - To remove items by index or slice (range)to delete multiple elements by their position
The pop() method removes the item at the given index from the list and returns the removed item.
- Name the function/statement which can delete more than one element from the list.
- Write a program to delete /remove all the negative elements form the list.
- WAP to accept 10 numbers from the user, if the number is odd and then add that number to the list. (input numbers are: 1,2,3,4,5,6,7,8,9,10)
- Write a program to check whether a number(accepted from user) is present in a list.
- Name a function which is used to find the largest number from a list.
- _____function returns the smallest value from the list.
- max() function works in a list which have all values of same data type.(T/F)
- Write a program to input a number and count the occurrence of that number in the given list.
 - A=[34,21,3,12,34,56,76,5,4,21,12,34]

Assignment : OUTPUT QUESTIONS

<pre> 1. L=["heena","teena","meena"] print(L[-1][-1]) #----- 2. L=["heena","teena","meena"] print(L[1:-1]) #----- 3. l=["heena","teena","meena"] print(l*2) #----- 4. L=["heena","teena","meena"] print(L**2) #----- 5. L=[1,2,3,4,5] for i in L: print(i,end=" ") i=i+1 #----- 6. l=["heena","teena","meena"] l1=["reena"] print(l+l1) #----- 7. a=[1,2,3,4] a[1]='a' print(a) #----- 8. a=[1,2,3,4,5,6,7,8,9] b=a[3:7] print(b) #----- 9. a=[11,42,31,14] print(max(a)) print(min(a)) print(a.index(42)) </pre>	<pre> 10. a=[11,42,31,'a',14] print(max(a)) #----- 11. a=['amit','Amit','Amita'] print(max(a)) print(min(a)) #----- 12. a=[1,2,3,4] a.reverse() print(a) #----- 13. a=[1,5,7,5] b=a.index(5) print(b) #----- 14. a=[1,5,7,5] b=a.index(15) print(b) #----- 15. L=[13,12,21,16,35,7,4] sum=5 sum1=3 for i in L: if(i%4==0): sum=sum+i continue if(i%7==0): sum1=sum1+i print(sum,end=" ") print(sum1) #----- 16. reverse() function create new list.(T/F) 17. what type of error return by index() function if element is not present in list? </pre>
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<p><i>18 . Start with the list[8,9,10]. Do the following using list functions</i></p> <p>a) Set the second entry (index 1) to 17 b) Add 4, 5 and 6 to the end of the list. c) Remove the first entry from the list. d) Sort the list. e) Double the list f) Insert 25 at index 3</p>		<p>Q19. is a*3 equivalent to a + a + a? Q20. Compare a*3 and [a, a, a]. Q21. If a is [1, 2, 3], check the position a[1:2] = 4 , a [1:1] = 9 and a [1:1] = 4. Q22. a=[1,3,5,7,9] print(a=a.reverse()) Q23. a=[13,18,11,16,13,18,13] print(a.index(18)) print(a.count(18)) print(a.append(a.count(13)))</p>	
<p>Q24. a=[3,2,3,4,1] a.reverse() b=a.index(3)+a[1:].index(3) print(b)</p>	<p>Q25 a[3,2,3,4,1,7,8,4,6,5] b=min(a[:4]) b+=min(a[4:]) b+=a[4:][4] print(b)</p>	<p>Q26 a=[-3,-4,0,3,4] which of the following is/are true? i.) 3 not in a ii.)not 3 in a iii.) not (3 in a) iv.) (not 3) in a</p>	<p>Q27 a=[2,3,7,6,[3,5,8],5,7] which of the following statements is/are valid? i.) a[1:][2:][1:][2:] ii.)a[1:][2:][1:][2] iii.) a[1:][2:][1][2] iv.)a[1:][2][1][2]</p>
<p>Q28 a=[3,2,3,4,1] b=sorted(a) print(a[0],b[0])</p>	<p>Q29 a=[1,2,3,4] b=['a','b'] a.append(b) print(a)</p>	<p>Q30 a=[1,2,3,4] b=['a','b'] a.extend(b) print(a)</p>	