1. Python program to print all negative numbers in a range
2. Remove multiple elements from a list in Python
3. write a Python program to Remove empty List from List
4. write a Python program to Cloning or Copying a list
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6. write a Python program to Remove empty tuples from a list
7. write a Python program to Program to print duplicates from a list of integers
8. write a Python program to find Cumulative sum of a list
9. write a Python program to Sum of number digits in List
10. write a Python program to Break a list into chunks of size N
11. write a Python program to Sort the values of first list using second list
12. Sure! Here are the Python programs for each of the tasks you requested:
13. ### 1. Python program to print all negative numbers in a range
14. ```python
15. def print\_negative\_numbers(start, end):
16. for num in range(start, end + 1):
17. if num < 0:
18. print(num)
19. # Example usage
20. start = -10
21. end = 10
22. print\_negative\_numbers(start, end)
23. ```
24. ### 2. Remove multiple elements from a list in Python
25. ```python
26. def remove\_multiple\_elements(lst, elements\_to\_remove):
27. return [elem for elem in lst if elem not in elements\_to\_remove]
28. # Example usage
29. lst = [1, 2, 3, 4, 5, 6, 7, 8, 9]
30. elements\_to\_remove = [2, 3, 5]
31. result = remove\_multiple\_elements(lst, elements\_to\_remove)
32. print(result)
33. ```
34. ### 3. Python program to Remove empty List from List
35. ```python
36. def remove\_empty\_lists(lst):
37. return [elem for elem in lst if elem]
38. # Example usage
39. lst = [1, 2, [], 4, [], 6]
40. result = remove\_empty\_lists(lst)
41. print(result)
42. ```
43. ### 4. Python program to Clone or Copy a list
44. ```python
45. def clone\_list(lst):
46. return lst[:]
47. # Example usage
48. lst = [1, 2, 3, 4, 5]
49. cloned\_lst = clone\_list(lst)
50. print(cloned\_lst)
51. ```
52. ### 5. Python program to Count occurrences of an element in a list
53. ```python
54. def count\_occurrences(lst, element):
55. return lst.count(element)
56. # Example usage
57. lst = [1, 2, 2, 3, 4, 2, 5]
58. element = 2
59. count = count\_occurrences(lst, element)
60. print(f"{element} occurs {count} times in the list")
61. ```
62. ### 6. Python program to Remove empty tuples from a list
63. ```python
64. def remove\_empty\_tuples(lst):
65. return [elem for elem in lst if elem]
66. # Example usage
67. lst = [(1, 2), (), (3, 4), (), (5, 6, 7)]
68. result = remove\_empty\_tuples(lst)
69. print(result)
70. ```
71. ### 7. Python program to print duplicates from a list of integers
72. ```python
73. def print\_duplicates(lst):
74. duplicates = set([elem for elem in lst if lst.count(elem) > 1])
75. print(f"Duplicates: {duplicates}")
76. # Example usage
77. lst = [1, 2, 2, 3, 4, 4, 5]
78. print\_duplicates(lst)
79. ```
80. ### 8. Python program to find Cumulative sum of a list
81. ```python
82. def cumulative\_sum(lst):
83. cumulative\_list = []
84. sum\_so\_far = 0
85. for num in lst:
86. sum\_so\_far += num
87. cumulative\_list.append(sum\_so\_far)
88. return cumulative\_list
89. # Example usage
90. lst = [1, 2, 3, 4]
91. result = cumulative\_sum(lst)
92. print(result)
93. ```
94. ### 9. Python program to Sum of number digits in List
95. ```python
96. def sum\_of\_digits(lst):
97. return [sum(int(digit) for digit in str(num)) for num in lst]
98. # Example usage
99. lst = [123, 456, 789]
100. result = sum\_of\_digits(lst)
101. print(result)
102. ```
103. ### 10. Python program to Break a list into chunks of size N
104. ```python
105. def chunk\_list(lst, n):
106. return [lst[i:i + n] for i in range(0, len(lst), n)]
107. # Example usage
108. lst = [1, 2, 3, 4, 5, 6, 7, 8, 9]
109. n = 3
110. result = chunk\_list(lst, n)
111. print(result)
112. ```
113. ### 11. Python program to Sort the values of first list using second list
114. ```python
115. def sort\_by\_another\_list(lst1, lst2):
116. return [x for \_, x in sorted(zip(lst2, lst1))]
117. # Example usage
118. lst1 = ['apple', 'banana', 'cherry']
119. lst2 = [3, 1, 2]
120. result = sort\_by\_another\_list(lst1, lst2)
121. print(result)
122. ```
123. Let me know if you need further explanations or any additional modifications!