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# Given two lists, l1 and l2, write a program to create a third list l3 by picking an odd-index element from the list l1 and even index elements from the list l2?
# l1 = [3, 6, 9, 12, 15, 18, 21]
# l2 = [4, 8, 12, 16, 20, 24, 28]
# odd_i = []
# even_i = []
# for i in range(0, len(l1)):
#     if i % 2!=0:
#         odd_i.append(l1[i])
# print(odd_i)
# for i in range(0,len(l2)):
#     if i % 2==0:
#         even_i.append(l2[i])
# print(even_i)
# l3 = odd_i + even_i
# print(l3)
# ---------------------------------------------------------------------------------------------------
# Write a program to remove the item present at index 4 and add it to the 2nd position and at the end of the list.
# list1 = [34, 54, 67, 89, 100, 43, 94]
# list1.pop(4)
# print(list1)
# list1.insert(2,11)
# print(list1)
# list1.insert(len(list1),11)
# print(list1)
# ---------------------------------------------------------------------------------------------------
# Slice list into 3 equal chunks and reverse each chunk
# sample_list = [11, 45, 8, 23, 14, 12, 78, 45, 89]


# def divide_chunks(l, n):
#     for i in range(0, len(l), n):
#         yield l[i:i + n]
# n=3
# x = list(divide_chunks(sample_list,n))
# print("Chunk_1",x[0])
# print(x[0][::-1])
# print("Chunk_2",x[1])
# print(x[1][::-1])
# print("Chunk_3",x[2])
# print(x[2][::-1])
# ---------------------------------------------------------------------------------------------------
# Write a program to iterate a given list and count the occurrence of each element and create a dictionary to show the count of each element.
# sample_list = [11, 45, 8, 11, 23, 45, 23, 45, 89]
# Create a dictionary to store the count of each element.
# sample_dict = {}
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# for i in sample_list:
#     if i in sample_dict:
#         sample_dict[i] += 1
#     else:
#         sample_dict[i] = 1
# print(sample_dict)

# ----------------------------------------------------------------------------------------------------
#Find the intersection (common) of two sets and remove those elements from the first set.
# first_set = {23, 42, 65, 57, 78, 83, 29}
# second_set = {57, 83, 29, 67, 73, 43, 48}
# intersection = first_set.intersection(second_set)
# print(intersection)
# ----------------------------------------------------------------------------------------------------
# Checks if one set is a subset or superset of another set. If found, delete all elements from
that set
# first_set = {27, 43, 34}
# second_set = {34, 93, 22, 27, 43, 53, 48}
# print("First set is subset of second set",first_set.issubset(second_set))
# print("Second set is subset of First set",second_set.issubset(first_set))
# print("First set is superset of second set",first_set.issuperset(second_set))
# print("Second set is superset of First set",second_set.issuperset(first_set))
# ----------------------------------------------------------------------------------------------------
# Iterate a given list and check if a given element exists as a key’s value in a dictionary. If
not, delete it from the list.
roll_number = [47, 64, 69, 37, 76, 83, 95, 97]
sample_dict = {'Jhon':47, 'Emma':69, 'Kelly':76, 'Jason':97}
for roll in roll_number:
    if roll not  in sample_dict:
        roll_number.remove(roll)
print(roll_number)
```