

Examination Roll No. → 20234757062

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Question → 2

(a) def insert (lst, k, lst2=[]) :

""" Parameters : Given list, Element to insert, new list """

~~Input~~ Output : Insert element at alternate position of a given list ""

if len (lst) == 0 : # when list is empty
 return lst2 # return new empty list

else :

 lst2 = extend ([lst[0], k]) # extending list
 return insert (lst[1:], k, lst2)

print (insert ([1, 2, 3, 4], 50)) # for defined list
 # call fun & print

""" Output :

[1, 50, 2, 50, 3, 50, 4, 50]

Output : new list having element which is not k

```
lst2 = [] # taking new list empty
for i in the lst: # iterate through list
    if i != k: # check if equal to k or not
        lst2.append(i) # append it in lst2
return lst2 # return list
```

```
l = list(map(int, input("Enter a list").split(" ")))
```

If name == 'bb' main '' :

61. Assumptions = It will work for my desired format & give error when list V is empty so give input in desired format V ""