Name: SRADHA KEDIA Date and time of Examination: 9:30 am - 12:30 pm; 27/03/2021 Examination Roll no: 20234757053 Name of the Programe: MA Semester: Ist Unique Paper Code: 223401101 Title of the Paper - Object Oriented Programming Mobile no. - 8840502121 No of Pages - 4

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austion 2 -Input: Briving the function insert a list [1,2,3,4]/
user input & the number to be inserted (50, taken) Enter a list separated by space: 12345
Enter the number to be inserted: 50 Output: [1, 50, 2, 50, 3, 50, 4, 50, 5, 50] def insert (-list, to, new = []): III Function name - insert Arguments - list, x, newl; thous newl is taken for convinence to be noted that driver function contains only two arguments as mentioned in the question as mentioned in the question Returns: a new list where element is inserted if len(-list) == 0:
neturn neurl # if list is empty lit newl extend [[-list[0], x]) # extend the list by one

return insert (-list [1:], x, new)

# recursive call to give elements from 1st inden I agrice

if name = " main \_" ; # drive function solite list = list (map (int, input ("Enter a list superated by space:"),

x = input ("Enter the number to be inserted:")

H. Lala: 9 # taking input
# Assumptions: User inputs as the format specified correctly
in order to run the function accurately p=insut ( list, n) # calling insurt function

print(P) # print P list (b) Input: Enter a list separated by space: 122352

Enter the value of k: 2 def remelt (\_list, k, i=0)? name: remelt

arguments: list, k, i=0

Assumption as (a)

returns: the updated list removing occurrences if lon list) == i: # comparing length of list with i return list

The state of the s

if list[i] == k: # checking ith lt. with k to semove return remet [list[:i] + list[it:], k, i)

# recursive call.

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return frankt remett ( list, k, i+1)

# passing with next indu

if name == " main !": # driver function

-list = list (map (int, input ("Enter a list superated by spece split ()))

# taking input

k = input ("Enter the value of k:")

remett (-list, k) # calling remelt function

# assumption: Uses must input as the format specified to run the function accurately