Training Day - 13

# #New Program

# user\_input = input("Enter the number with separated space:") #"10 20 30 40 50" # user\_list = user\_input.split() # convert into list, ["10","20"...

# print(user\_list)

# for i in range(len(user\_list)): #i=0,1,2,3,4

# # convert each element into integer

# user\_list[i]= int(user\_list[i]) #user\_list[i]: "10"

# print("No are:",user\_list)

# r =0

# for x in range(len(user\_list)+1): #i=1, 2...7 # if(x==5):

# continue

# t=x\*\*2 #t=1sq, 2sq # r=r+t #r=0+1sq=1sq, r=1sq+2sq, 1sq+2sq+...7sq

# #New Program

# L1=[10,20,30] #index 0,1,2

# L2=[100,200,300] #index 0,1,2

# L3=[30,40,50] #index 0,1,2

# for i in range(len(L1)): #range(3), i=0,1,2

# print(L1[i]+L2[i]+L3[i])

# #New Program

# id\_list=[10,20,30] #index=0,1,2

# name\_list=["Vikas","Anil","Amit"] #index=0,1,2

# age\_list=[39,41,45] #index=0,1,2

# for i in range(len(id\_list)): #range(3), i=0,1,2

# print("Cust ID:",id\_list[i],"Cust Name:",name\_list[i],"Cust Age:",age\_list[i])

Check whether a number input by user is a Prime no or not?

"""

#BLL

def checkPrime(no): #no=11 for i in range(2,no): #i=2, 3 if(no%i==0): return "not Prime" return "Prime"

# #PL

# no=int(input("Enter any number:")) #no=9

# res=checkPrime(no)

# print("The entered no is:",res)

# #Find all the primary and non-primary numbers in a given limit:

# no\_low=int(input("Enter lower limit:")) #7

# no\_high=int(input("Enter higher limit:")) #13

# for no in range(no\_low,no\_high+1): #no=7 to 13

# res=checkPrime(no)

# print("The no",no,"is",res)

# #New Program: Check all Prime nos in a given list

# #BLL

# def checkAllPrime(no\_low,no\_high):

# L=[]

# for no in range(no\_low,no\_high+1): #no=7,8,9,...13 # for i in range(2, no): # i=2, 3,4,5,6, no=7 # if (no % i == 0): # break # else:

# L.append(no) #L=[7,11]

# return L

#

# #PL

# no\_low=int(input("Enter lower limit:")) #7

# no\_high=int(input("Enter higher limit:")) #13

# res=checkAllPrime(no\_low,no\_high)

# print("The Prime Nos are:",res)

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Step 1: No of lines:5, so exteranl loop will run for 5 times n=5 for i in range(5):

Step 2:

Table:

i n j\_range

1. 5 1
2. 5 2
3. 5 3
4. 5 4
5. 5 5

no Python, maths starts: Find relation between j\_range and i and n:

j\_range=i+1

"""

# #New Program

# for i in range(5): #i=0, i=1

# for j in range(4): #i=0,j=0,1,2,3 i=1,j=0,1,2,3

# print("\*",end="")

# print()

# #New Program

# for i in range(5): #i=0, i=1,...4 # for j in range(i+1):

# print("\*",end="")

# print()