FIRST SEMESTER MCA (2020 SCHEME) Practical Examination June 2021

20MCA131 PROGRATIONING LAIS

Date: 02/07/2021

1'me: 9:30 AM - 12:30 PM Submitted by:

ICE 20MCA - 2005

Batch-A.

1) Generate a list of four digit numbers in a given range with all their digits even and the number Ps a perfect Square.

Algorithm:

Step1: Start.

Step 2: Quand Impost mark function.

6 tep 3: Read Starting index and ending index from the nger and store it so the varibles a and b.

Step4: find square of all numbers selected Pr Starting index to ending index.

Steps: check product of signate root of number is same as that number then store number in a took variable n.

6tep 6: Take Last digit of that number using 07.10 check the remainder of enteger devesion of n by 2. That is not equal to zero, then break.

Etep 8. Otherwise Print that number is, even.

5tep9: Repeat Step B,7,8 while D1=0.

step 10: Stop.

import math

a=int (input ("Enter esterting index;"))

b=int (input ("Enter ending index;"))

for in range (a,b):

num=int (math, sqrt(i))

If (num*num==1):

n=i

while n!=0:

Y=n%10

n=n//10.

if x%2!=0:

break.

else;

prot (i)

Output:

Enter Starting index: 1000
Enter ending index: 10000

2) Write a Python program to read each row from a given Low file and prival a list of strings.

Algorithm:

Step1: Start.

Step 21 import LSV

Step 3: Using with open function open saved (5-1 file in read made as required tale name.

Step 4: Road all data on that can file and store if in a variable reader.

step 5: check all row in readers using for loops.

step 6: Point each row.

step to Stop.

trogram:

Import CSV with open ("Employee1. CSV", "x") as file1: reader = CSV reader (Fle) for row on reader1: pro of (row)

Empro, Empromé, Dept, D.OB, Solary Output: [10', 'Aprol', 'HR', 28/6/2000', 20000'] [20', 'Anu', Manager, 5/5/1999', 30000] [30', 'Akbil', Finance, 30/02/1988, 40000] [40', Anjana', marketing, 3/1/2002, 50000] [60', Amjaly', Sales', 27/9/1999', 60000]