FIRST SEMESTER MCA (2020 SCHEME) PRACTICAL EXAMINATION JUNE-2021 20MCAI31 PROGRAMING LAB

DATE: 02/07/2021

TIME: 9.30 Am - 12:30 PM

Submitted by, ICE 2014

Batch-A

· Lienerate a list of four digit numbers is a given range with all their digits even and the number is a perfect square.

Algorithm

Step 1: Acrit

Etcp 2: Blad two numbers from user and stone it is to

Step 2: Read Starting index and ending index from user and flore it in to variables a god b.

Step 3: Ind square of all numbers selected in salurating index to Rod index. Busing to

Same as that number then Agre to number is a variable n.

Step 5: take last digit of that number using office and

67ep 6: check the remainder of integer division of n by. 2. That is not equal to dero (odd)

Then break.

57 CP 7: Other wise Pant that number (even) ie, even

Step 9: repeat step \$5,6,7 while n! = 0. get 1.57 of step 9: some step four digit numbers in a given range with all their digits even and the number is perfect square.

Step 10: App.

Program

compact math

a = in Cinput ("Enter Starting index!")

for is in range (a,b):

num=107 (math.sqr4 (i))

of Coum*num==i):

n = i.

while 0 != 0:

イ=りょ10

10201110

it~1,51=10

brek

else:

Parof (i)

Other Predicted august Actual autput Sharting index: 4000 Enter starting index; 1000 ending index: 50000 Enter ending index: 10000 4624 4624 40000 6084 6084 6400 40804 8464 48 400 6400 26244 8464 28224 40000

2 write a Python Program to Potot each sow read each now from a given csv file and point a lot of strongs

Algorithm

Frofe: 1 99FB

8766 5: imbort RRA

Acp 3: Using with open Runction open saved con the

10 read mode as required the name.

Step 4: read all data in that csv file and flore it in a

rariable, readers.

EACP 5: Store Check com all now in readers using -By Loop

Step 6: Pariot each your.

57ep 7: 57op.

output

CSV BLAILC Student. Esv

Rolloo	Mame		
		subject	Mark
(1000 J	Airwanya	mators	45
2	Aniana	Physics	
. 3.	Devika		49
4		English	52
	Hari	Physics	50
5	Jos		30
6		chemis Ary	52
9	Kiran	Biology	47
7	Mauthola	Hiod;	55

Program output

```
['Rolloo', 'Name', 'matho', 'subject', mark']

['1', 'Aiswaya', 'mathos', '45']

['2', 'Anjana', 'Physics', '49']

['3', 'Pevika', 'English', '52']

['4', 'Hari', 'Physics', '50']

['5', 'Jos', 'chemishry', '52']

['6', 'kiran', 'Biology', '47']

['7', 'mrithule', 'Hiodi', '55']
```

Priogram

mport csu

with open (" Brudent. csu,""") as file1:

reader (Eile 1)

for now in reader (File 1)

Panot (now)

Actual output

['Roll no', Name, 'Subject', 'mark']
['i', 'Aiswaya', 'maths', '45']
['2', 'Anjana', 'physics', '45']
['3', 'Perika', 'English', '52]
['4', 'Hari', 'physics', '50']
['5', 'Jos', 'chemiay', '52']
['6', 'kiran, '870logy', '47']
['7', 'mrithles', 'Hindi' '55]