Image

FIRST SEMESTER MCA (2020 SCHEME)

PRACTICAL EXAMINATION JUNE-JULY

20MCAL31 PROGRAMMING LAB

BATCH - A

Regno: ICE20MCA-2002

Date: 2-7-21

Time: 9.30 – 12.30

1) Generate a list of 4 digit numbers in a given range with all their digits even and the number is a perfect square.

2) Write a python Program to read each row from a given CSV file and print a list of strings.

1. Algorithm

Step 1 : start

Step 2 : Read the number to be checked from

Step 3 : if number >=0:

Repeat for i=0 to number:

Step 4 : if number =(i*i)

Display "perfect square"

Step 5 : stop

Program

```
import math
a=inp
a = int(input("Enter starting index:"))
b = int(input("Enter ending index:"))
for i in range(a,b):
    num = int(math.sqrt(i))
    if(num * num == i):
        n= i
        while n!=0
            s = n%10
```

```
n=0//10
if r%21 =0:
    break
else:
    print(i)
```

Output

```
Enter starting index :1000
Enter Ending index : 10000
4624
6084
6400
8464
```

2. Algorithm

Step1 : start
Step2 : Create an Excel sheet with fields, then save as csv file.
Step3 : Import a csv file
Step4 : Then open the csv file with file name
Step5 : Repeat the 3 csv file
Step6 : Stop.

Program

```
import csv
with open("Employee1.csv", "r") as file1:
    reader1 = csv.reader(file1)
    for row in reader1:
        print(row)
```

output CSV file

Empno	Empname	dept	dob	Salary
10	anu	manager	01-04-1989	30000
11	mana	hr	08-05-1990	40000
12				
13	renu	Finance	05-05-1990	50000
14	jini	hr	04-05-1990	40000
15	remya	Production	21-02-1999	50000
	mini	hr		

output

['emp no', 'emp name', 'dept', 'dob', 'Salary']

['10', 'anu', 'manager', '01-04-1989', '30000']

['11', 'mana', 'hr', '08-05-1990', '40000']

['12', 'renu', 'finance', '05-05-1990', '50000']

['13', 'jini', 'hr', '04-05-1990', '50000']

['14', 'remya', 'hr', '04-05-1990', '40000']

['15', 'mini', 'hr', '21-02-1999', '50000']