

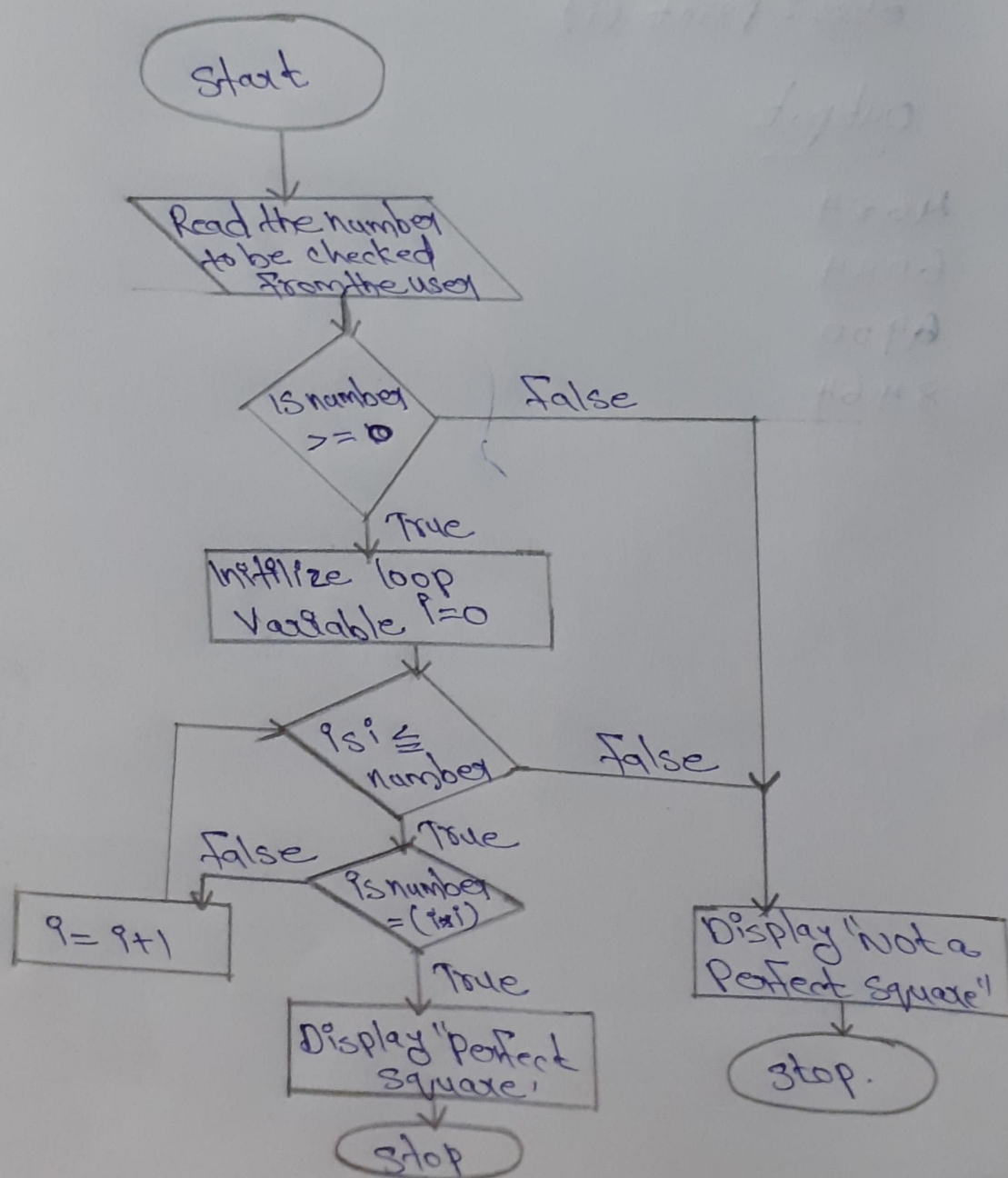
SET-A

FIRST SEMESTER MCA (2020 SCHEME)
PRACTICAL EXAMINATION JUNE-JULY
2021
20MCA131-PROGRAMMING LAB

Reg: ICE20MCA-2001
SI MCA
Date: 2/7/2021
Time: 9.30-12.30

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

Flowchart



PROGRAM

import math

for i in range(1000, 10000):

num = int(math.sqrt(i))

if (num * num == i):

n = i

while n != 0:

r = n % 10

n = n // 10

if r % 2 != 0: break

else: print(i)

Output

4624

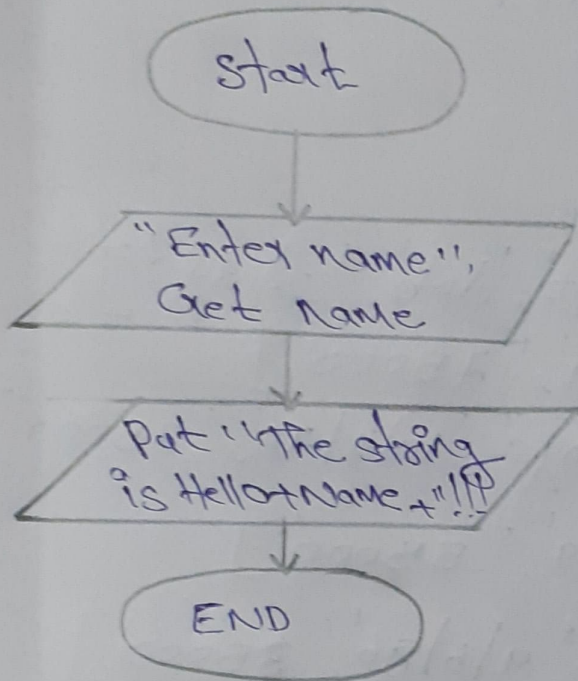
6084

6400

8464

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

Flowchart



PROGRAM

Excel

Empno	Empname	dept	dob	Salary
1.	Anu	Sales	11/3/99	75000
2.	Anjana	Marketing	10/4/78	25000
3.	Arun	HR	21/9/99	55000
4.	Anjali	Finance	9/6/86	35000
5.	Bismi	Sales	7/4/98	60000
6.	Sajana	Marketing	5/8/87	50000
7.	Kiran	HR	4/9/95	25000
8.	Vipin	Finance	2/5/92	75000
9.	Sahal	Sales	6/8/83	50000
10.	Ajmal	Marketing	2/5/92	25000

import csv

with open('excel.csv', 'r') as file1:

reader1 = csv.reader(file1)

for row in reader1:

print(row)

Output

['empno', 'empname', 'dept', 'dob', 'salary']

['1', 'anu', 'sales', '11/3/99', '75000']

['2', 'anjana', 'Marketing', '10/4/78', '25000']

['3', 'Arun', 'HR', '21/9/99', '55000']

['4', 'anjaly', 'Finance', '9/6/86', '35000']

['5', 'bismi', 'sales', '7/4/98', '60000']

['6', 'Sajana', 'Marketing', '5/8/87', '50000']

['7', 'kiran', 'HR', '4/9/95', '25000']

['8', 'vipin', 'Finance', '2/5/90', '75000']

['9', 'Suhail', 'sales', '6/8/83', '50000']

['10', 'ajmal', 'Marketing', '2/5/90', '25000']