Program no:

Aim: Grenerate a list of four digit
numbers in a given mange with all their
digits even and the number is a perfect square

Program:

print (List of fown digit number with all numbers even and the number is a perfect square)

list = [] list2 = []

point (" Enter the size of list:")

size = int (input ())

print (" Enter", + size, " 4 digit numbers one by one)

for i in monge (0, size):

a = int Cinput ())

if (a >= 1000 && a <= 9999):

list append (a)

else:

perint (a, " is not a 4 digit number");

addren 1938

posint (i). list 2. append (i)
$$j = j+1$$

Exten the step number ton

print (list 2)

Roult:

The program has been executed and the output was verified.

output

chemenate a list of four digit numbers in a given onge with oil their digits even and the number is a perfect equare

·) Enter the size of list: 4

Enter 4 4 digit numbers one by one!

1331, 1225, 1156, 1296

List with even numbers and perfect square 4 digit numbers is

[1156, 1296]

Enter the size of list: 3

Enter 3 tdigit numbers one by one:

1476, 3025, 2116

List with even and perfect square 4 digit numbers are

[2116]