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

Program

```
File  Edit  Format  Run  Options  Window  Help
import math
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:
            r = n % 10
            n = n//10
            if r % 2 != 0:
                break
        else:
            print(i)
```

Output

```
File  Edit  Shell  Debug  Options  Window  Help
Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Inte
l)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
====== RESTART: C:\Users\Arjun\Desktop\New folder\python\perfectsqr.py ======
Enter starting index: 4000
Enter ending index: 50000
4624
6084
6400
8464
26244
28224
40000
40804
48400
>>>
```

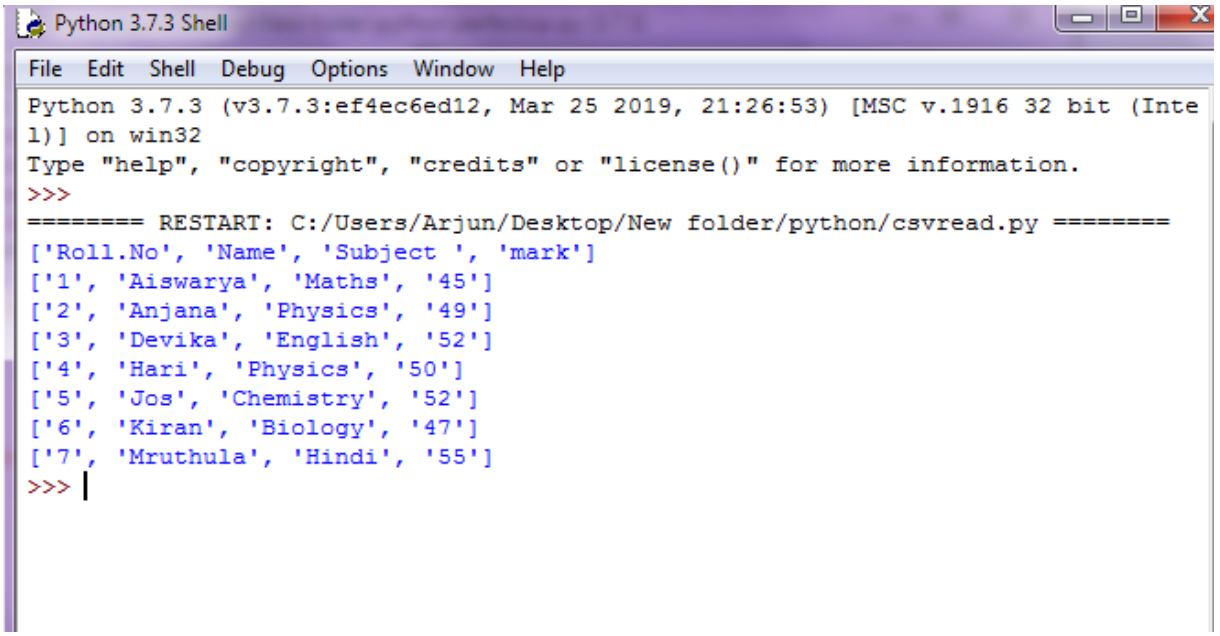
2. Write a python program to read each row from a given csv file and print a list of strings.

Program

```
File  Edit  Format  Run  Options  Window  Help
import csv
with open("student.csv","r")as file1:
          reader1=csv.reader(file1)
          for row in reader1:
              print(row)
```

Output

	A	B	C	D	E	F	G
1	Roll.No	Name	Subject	mark			
2	1	Aiswarya	Maths	45			
3	2	Anjana	Physics	49			
4	3	Devika	English	52			
5	4	Hari	Physics	50			
6	5	Jos	Chemistry	52			
7	6	Kiran	Biology	47			
8	7	Mruthula	Hindi	55			
9							
10							
11							
12							
13							


Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:ef4ec6ed12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Inte
l)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
======== RESTART: C:/Users/Arjun/Desktop/New folder/python/csvread.py ========
['Roll.No', 'Name', 'Subject ', 'mark']
['1', 'Aiswarya', 'Maths', '45']
['2', 'Anjana', 'Physics', '49']
['3', 'Devika', 'English', '52']
['4', 'Hari', 'Physics', '50']
['5', 'Jos', 'Chemistry', '52']
['6', 'Kiran', 'Biology', '47']
['7', 'Mruthula', 'Hindi', '55']
>>>