

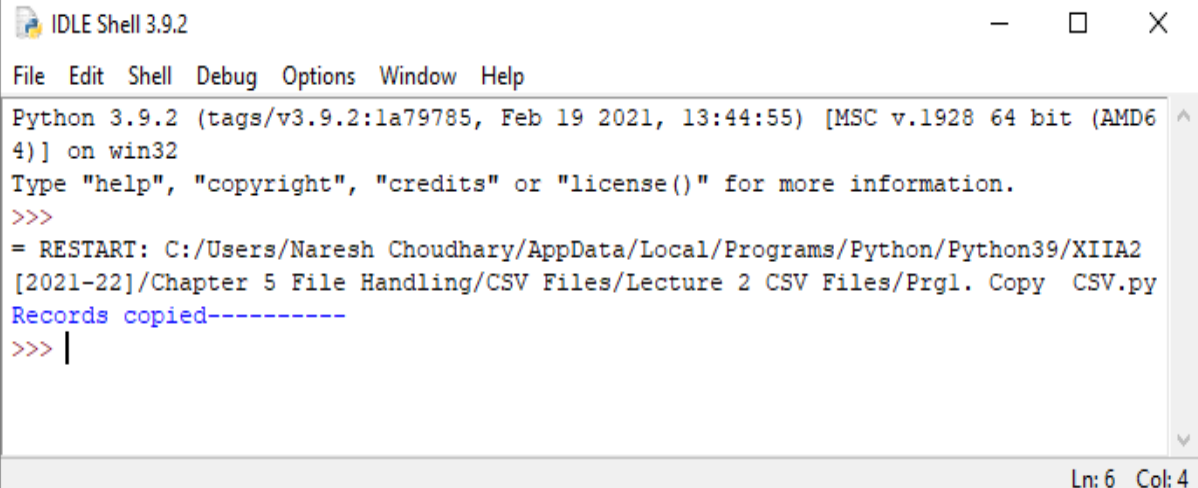
Working with CSV (Comma separated values) files in Python

Prg. 1: Program to copy data from one file ('Student1.csv') to another ('Copystudent.csv').

```
import csv
with open('Copystudent.csv','w') as outFile:
    fileWriter = csv.writer(outFile)
    with open('Student1.csv','r') as inFile:
        fileReader = csv.reader(inFile)
        for row in fileReader:
            fileWriter.writerow(row)
    print('Records copied-----')
```

In the above code, first we open the *file (in write mode)* to which we *want to copy the contents*, i.e. *destination file (Copystudent.csv)*. Then, we create the *writer object*. Further, we have opened the file *(in read mode)* from which we need to *copy the contents* from, i.e. the *source file (Student1.csv)*.

Output:

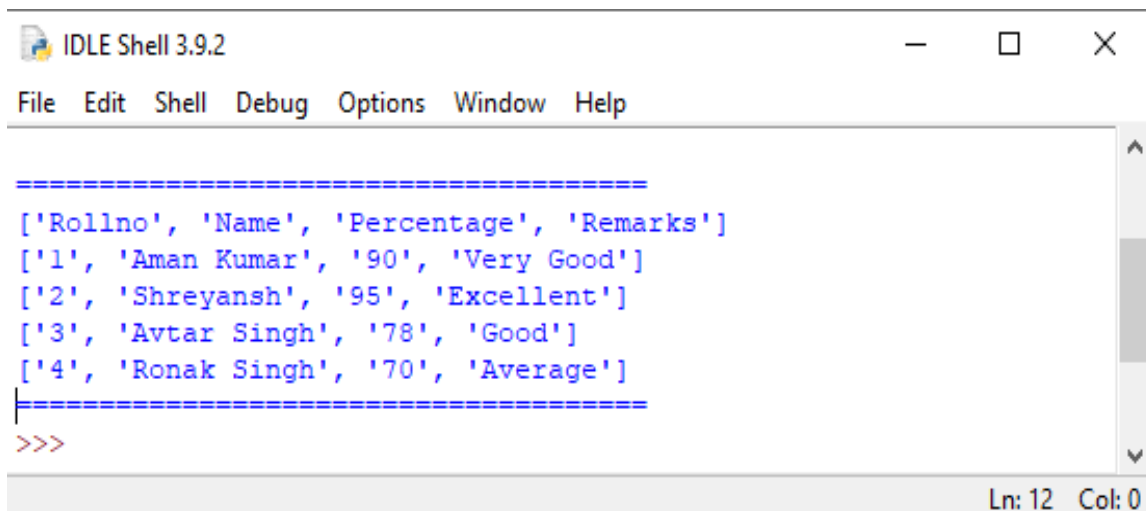


```
IDLE Shell 3.9.2
File Edit Shell Debug Options Window Help
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Naresh Choudhary/AppData/Local/Programs/Python/Python39/XIIA2
[2021-22]/Chapter 5 File Handling/CSV Files/Lecture 2 CSV Files/Prg1. Copy CSV.py
Records copied-----
>>> |
```

Prg. 2: Program to display the contents of 'Student1.csv' file

```
import csv
with open('Student1.csv', 'r') as Myfile:
    readcsv=csv.reader(Myfile)
    print("\n=====")
    for i in readcsv:
        print(i)
    print("=====")
```

Output:



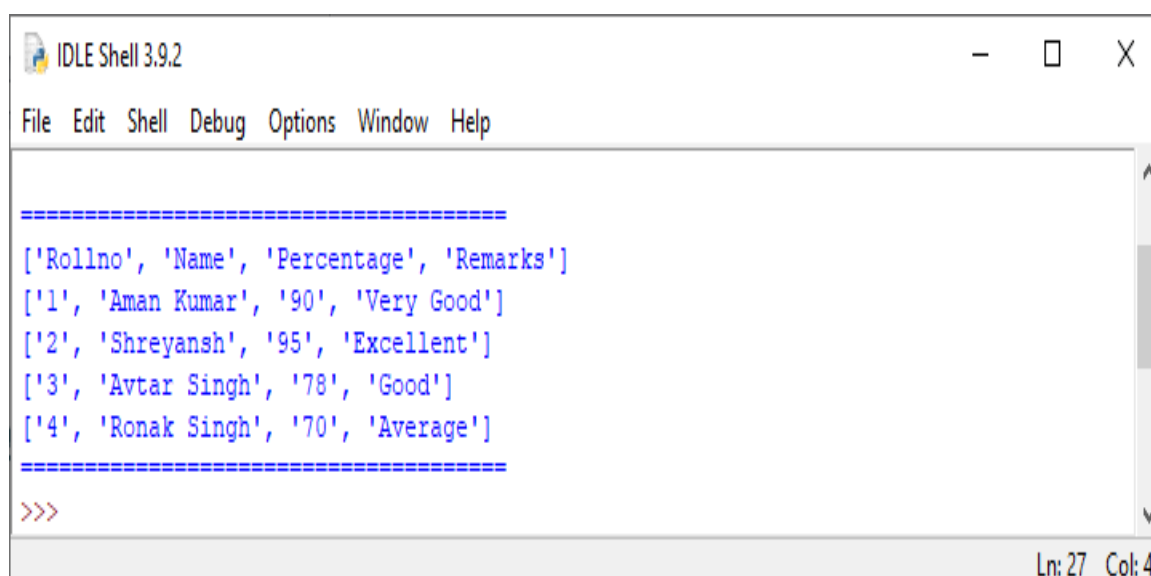
```
=====
['Rollno', 'Name', 'Percentage', 'Remarks']
['1', 'Aman Kumar', '90', 'Very Good']
['2', 'Shreyansh', '95', 'Excellent']
['3', 'Avtar Singh', '78', 'Good']
['4', 'Ronak Singh', '70', 'Average']
=====
>>>
```

Ln: 12 Col: 0

Prg. 2: Program to display the contents of 'Copystudent.csv' file

```
import csv
with open('Copystudent.csv', 'r') as Myfile:
    readcsv=csv.reader(Myfile)
    print("\n=====")
    for row in readcsv:
        if len(row) == 0:
            continue
        print(row)
    print("=====")
```

Output:



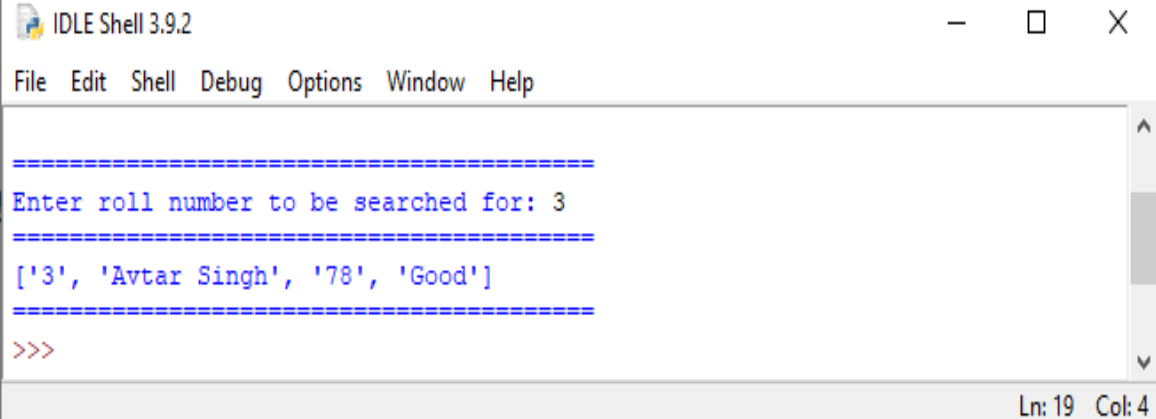
```
=====
['Rollno', 'Name', 'Percentage', 'Remarks']
['1', 'Aman Kumar', '90', 'Very Good']
['2', 'Shreyansh', '95', 'Excellent']
['3', 'Avtar Singh', '78', 'Good']
['4', 'Ronak Singh', '70', 'Average']
=====
>>>
```

Ln: 27 Col: 4

Prg. 1: Program to searching record in CSV file (Search By Roll number)

```
import csv
print("\n=====')
number = input('Enter roll number to be searched for: ')
print('=====')
with open('Student1.csv') as f:
    csv_file = csv.reader(f, delimiter=",")
    for row in csv_file:
        if number == row[0]:
            print (row)
            break
    else:
        print("Record not found")
print('=====')
```

Output:



The screenshot shows the IDLE Shell 3.9.2 window. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The main text area displays the program's output in blue text: a line of equals signs, the prompt 'Enter roll number to be searched for: 3', another line of equals signs, the list ['3', 'Avtar Singh', '78', 'Good'], a third line of equals signs, and the prompt '>>>'. The status bar at the bottom right indicates 'Ln: 19 Col: 4'.