

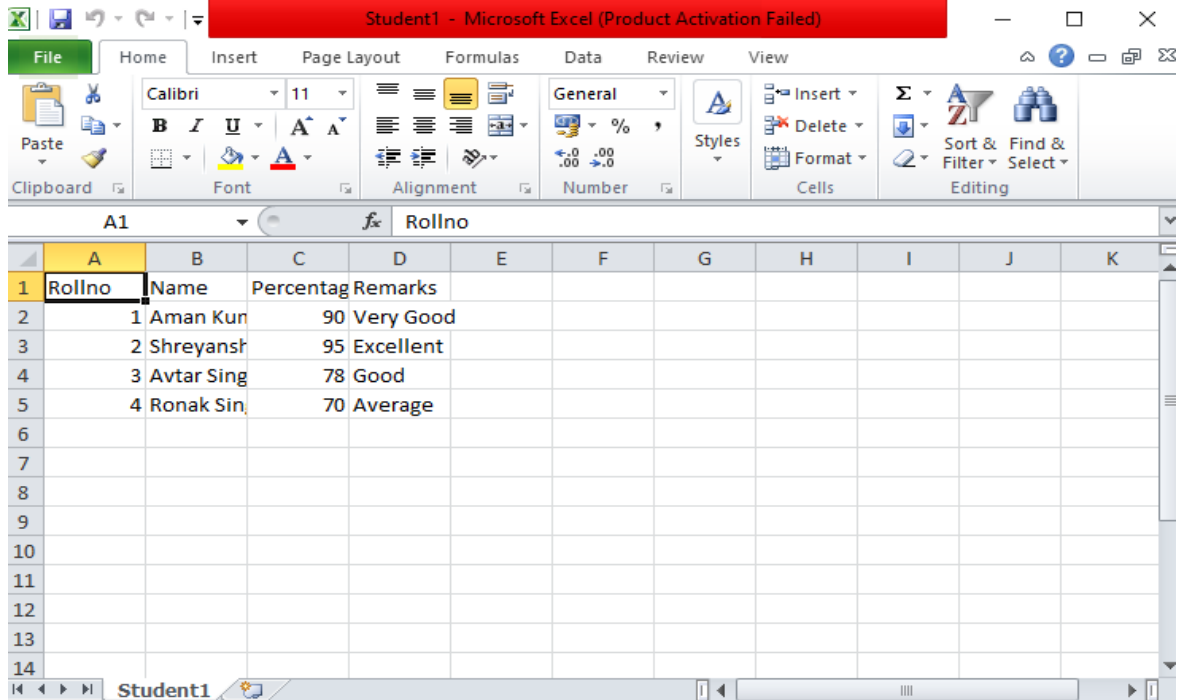
Working with CSV (Comma separated values) files in Python

Deleting record from CSV file by field value:

Steps for deleting a particular row from CSV file are:

- i) Read the CSV file in memory as a list
- ii) Edit that list (remove the matched field value record)
- iii) Write the list back to the CSV file.

Let the CSV file be “STUDENT1.CSV” as given below:



Rollno	Name	Percentag	Remarks
1	Aman Kun	90	Very Good
2	Shreyansh	95	Excellent
3	Avtar Sing	78	Good
4	Ronak Sin	70	Average

```
import csv
lines = list()
print("=====")
rno= input("Please enter a student's roll no to be deleted: ")
print("=====")

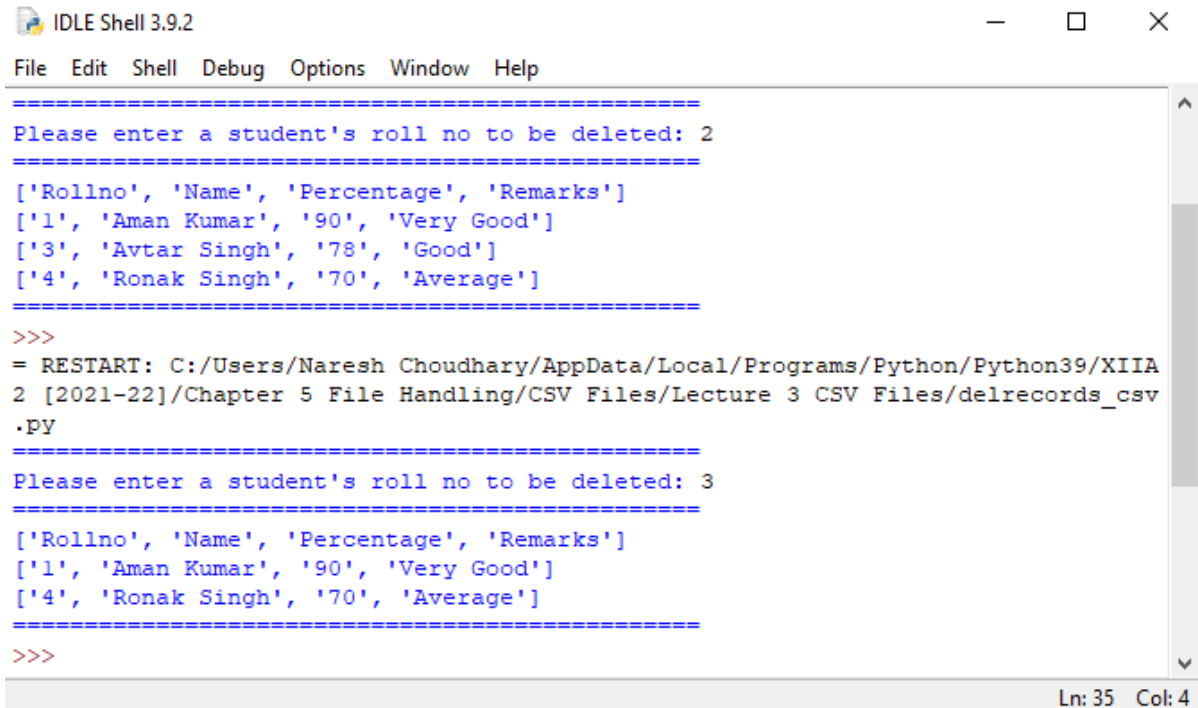
with open('Student1.csv', 'r') as readFile:
    reader = csv.reader(readFile)
    for row in reader:
        lines.append(row)
        for field in row:
            if field == rno:
                lines.remove(row)

with open('Student1.csv', 'w', newline='') as writeFile:
    wrt = csv.writer(writeFile, delimiter=',')
    wrt.writerows(lines)

with open('Student1.csv', 'r') as rFile:
    readf = csv.reader(rFile)
    for row in readf:
        print(row)

print("=====")
```

Output:



```
=====
Please enter a student's roll no to be deleted: 2
=====
['Rollno', 'Name', 'Percentage', 'Remarks']
['1', 'Aman Kumar', '90', 'Very Good']
['3', 'Avtar Singh', '78', 'Good']
['4', 'Ronak Singh', '70', 'Average']
=====
>>>
= RESTART: C:/Users/Nareesh Choudhary/AppData/Local/Programs/Python/Python39/XIIIA
2 [2021-22]/Chapter 5 File Handling/CSV Files/Lecture 3 CSV Files/delrecords_csv
.PY
=====
Please enter a student's roll no to be deleted: 3
=====
['Rollno', 'Name', 'Percentage', 'Remarks']
['1', 'Aman Kumar', '90', 'Very Good']
['4', 'Ronak Singh', '70', 'Average']
=====
>>>
```

Ln: 35 Col: 4