The teacher asked a TA to collate a student list in the format as given below.

Student ID,First Name,Middle Name,Last Name

1001,Aarav,Rohit,Patel

1002,Ishani,Rani,Sharma

But the TA messed and submitted a file of the format as given below.

Student ID

1001AaravRohitPatel

1002IshaniRaniSharma

Notice that the header row is missing entries and no ‘,’ separator

This needs fixing. So, write a sed script that takes as input a csv file (the messed up file is still csv even though it has no commas :-) and converts the file into the proper format.

You can assume "Student ID" can only be numeric and any name field ("First Name", "Middle Name" and "Last Name") starts with a capital letter. Assume no other special characters. Separate the fields using commas in the output. Do not assume any constraints on length of any entry(except that it is non-zero).

Input ->

Student ID

1001AaravRohitPatel

1002IshaniRaniSharma

Output ->

Student ID,First Name,Middle Name,Last Name

1001,Aarav,Rohit,Patel

1002,Ishani,Rani,Sharma

Usage :

sed -r -f names.sed students.csv