

## Problem Statement

1. There are total 10 dat files.
2. Each files have 10 columns.
3. But each files have different rows (or length of each file is different)

For example:

file1.dat -----433  
file2.dat-----435  
file3.dat-----430  
file4.dat-----462

.  
. .  
.

file10.dat-----667

4. Now, the first column of each file has to be compared in all the files
5. Write 2 files

6. In first file there should be 11 columns

In first column the common entries of all the files while comparing the 1 entries

second column the 2<sup>nd</sup> entry of 1<sup>st</sup> file

third column 2<sup>nd</sup> entry of 2<sup>nd</sup> file

fourth column 2<sup>nd</sup> entry for 3<sup>rd</sup> file

.  
. .  
.

eleventh column 2<sup>nd</sup> entry for 4<sup>th</sup> file

7. similarly in the second file common entries of all the files while comparing the 1 entries

second column the 3<sup>rd</sup> entry of 1<sup>st</sup> file

third column 3<sup>rd</sup> entry of 2<sup>nd</sup> file

fourth column 3<sup>rd</sup> entry for 3<sup>rd</sup> file

.  
. .  
.

eleventh column 3<sup>rd</sup> entry for 4<sup>th</sup> file

The overall problem is: there are 10 files with 3 column (1 column is angle of attack, 2 column is Cl, and 3 column is Cd).

Now, I have to create 2 files : 1 file is with Cl, in which the common angle of attack should be there corresponding to their Cl values for all the 10 files

and in second file : with Cd, in which the common angle of attack should be there corresponding to their Cd values for all the 10 files