1. **Program to count the total rows of the CSV file**

Import-Csv D:\pshall\csv-sample.csv | Measure-Object

This code from Powershell will return the count of the rows in the CSV file excluding heading

Note: the csv-sample.csv file is stored in D:\pshall folder

If we want to count the lines

Get-ChildItem "D:\pshall\csv-sample.csv" |

ForEach-Object{

$fileStats = Get-Content $\_.FullName | Measure-Object -Line

$LineInFile = $filestats.Lines

Write-Host "$\_,$LineInFile"

}

This program will return the count of total lines in the file.

**Puzzle 1**

Clue 1 : ~~1~~ ~~4~~ 7 One digit is right but is in the wrong place

Clue 2: ~~1 8~~ 9 One digit is right and in the right place

Clue3: 9 6 ~~4~~ Two digits are correct but in the wrong place

Clue 4: ~~5 2 3~~ All digits are wrong

Clue 5: ~~2~~ ~~8~~ 6 One digit is right but in the wrong place

(I have gradually eliminated numbers according to the fact provided)

* 5 ,2,3 are eliminated clue 4.
* 1 cannot be true when it compare with clue 1 and 2 it contradicts the statement.
* 8 is wrong number because when clue 5 and clue 2 are compared it contradicts the statement. It means 9 is correct number and correctly positioned at number 3.
* The next number is 6 since from clue 5 it Is the only remaining number.
* 9 and 6 both are correct so we have eliminated number 4 which cannot be true in clue 3.
* Now 7 is the final number from clue 1.
* Since 6 cannot be in 2nd position( from clue 3) as well as in last position ,Last position is for 9 (from clue 2)
* Final combination 6 7 9

**Puzzle 2**

**Clue 1 : ~~6~~ ~~8~~ 2** One digit is right and in its place  
**Clue 2: ~~6~~ ~~1~~ 4** One digit is right but in the wrong place  
**Clue 3: 2 0 ~~6~~** Two digits are right but both are in the wrong place  
**Clue 4: ~~7 3 8~~** All digits are wrong  
**Clue 5: ~~3 8~~ 0** One digit is right but in the wrong place

* 7, 3,8 are wrong from clue 4.
* We get our first number that is 0 from clue 5.
* By comparing clue 1 and 2 the number 6 is not correct because it contradict the statement.
* Now we get another correct number that is 2 and its position as third place.
* By analyzing the clue 3 the position of 0 Is at first.
* Now remaining numbers are 1 and 4 but if we take 1 in the middle it would contradict the clue 2 . so the only remaining number is 4.
* So final combination is 042.

(At this point I really don’t know how to write the programming.)