Problem and solution:

1. Problem description: we need to integrate with third party application
2. Solution : so after discussion with them we found that the best solution that they will send files with specific format and data we want and we will read this data from their files .

Task:

Write function as next

1. Public static void ParseData(string inputFilePath, string OutputFilePath)

inputFilePath: is path to file I will read from third party .

OutputFilePath:is path to file I will create after processing data

1. Input file from third party will be as next
2. File name must be in format of current date ( dd-MM-yyyy )
3. File extension should be (.pu)
4. File first line should contain (date: date of file, count: count of lines in file without first line)
5. Each line will contain (number, string, array of string)

Example for input file



Validation :

1. If file name don’t match with date in first line (exception should be thrown with error [invalid file])
2. If count on first line don’t match with lines count -1 (exception should be thrown with error [invalid file]
3. If line format is not in same format as example with validate on integers and arrays and count of columns on line (exception will be thrown with error [invalid file])

example of output file:



Accepted answers will be as next:

1. Solve task problem
2. Write clean code function

Refused Answers will be as next :

1. No solving for task
2. Non readable code
3. On discuss after submit code without any understand for what is wrote on code

You will be asked for each point on code and why you wrote it .