Question 2:-

**1.How will you tackle the challenge above?**

-> At start we'll create a class and take the input from the scanner , then we'll make 5 methods to get the desired output

1. isExpression() -> This method will check whether the given cell is a valid cell or not , we'll use Regex expression to check the validity

2. isNumber() -> This method will check whether the passed string is a Number or not.

3. is Expression() -> This method will check whether the given string is a valid Expression or NOT

4. add() -> This method will simply return the sum of two numbers

5. output(input) -> This method will use the above 4 methods and will check at every step if the given string is valid or not id it valid then it will

throw a exception and provide you the message , if the input is valid then it will perform the operations provided in the input and will return the

desired output.

**2. What type of errors you would you check for?**

-> Well, there can me multiple syntax errors as the user might write the wrong input , so we need to check if the given input is a valid input with a proper csv syntax or not .

There can be a arithmetic exception if the user tries to divide a value with zero

**3. How might a user break our code?**

-> A user cannot break this code as the code checks every single syntax error

and whenever a syntax error will occur the user will get a proper message.