## Data structure analysis - ExpressionValidation

We used Stack Class to complete this task. It is based on the basic principle of last-in-first-out. I think it is important to used a stack to push opening symbol and then pop the element off the top of the stack when you come cross a closing brace. Then check it to see if it matches the closing brace. It is useful when you try to validate the simple expression.

This task also can be completed by using the HashMap class. It uses a hash table to implement the Map interface. It allows the execution time of basic operations, such as get() and put(). In my opinion, it is more suitable for validating a complex expression when it requires multiple input from the user.

There are many ways we can implement to complete the task depending on the complexity and time requirement.