

## Exception Exercise

Write a class **Stack** in the package `com.unext.mycollection`, the class should have an integer array of size 10. The class has methods,

`push(int data)` to add the data to the array, if the array is full the method should throw `StackFullException` and pass the relevant message to the constructor.

`pop()` which removes the last int from the array and returns the same, if the array is empty the method should throw `StackEmptyException` and pass the relevant message to the constructor.

`display()` which displays the contents of the array and if the array is empty the method should throw `StackEmptyException` and pass the relevant message to the constructor.

Write the customized `StackEmptyException` and `StackFullException` which extends from `Exception` with a parameterized constructor which takes a `String` and pass the same to the base class. This class should be in the package `com.myexception`.

Test your code by writing a class in the package `com.unext.app` and using the `try...catch... block`.