Exercise7:
Exception Handling

1. Create an array of characters which will be initialized during run time with vowels. If user enters any consonant, your code should generate a user-defined checked exception, InvalidVowelException. The description or message of InvalidVowelException is "character is consonant". Handle the exception by using try, catch, finally, throw and throws.

2. Write a menu driven program in Java to automate the Banking operations Create custom exceptions to deal with the following situations
a. Account is created with Initial Balance < 500
b. Withdraw operation when balance amount < withdraw amount
c. Pin change

3. Define Exception Handling. Write a java program to create a user defined exception for the following
a) Create a student class and get the name of the student and 3 subject marks
b) Find the length of the name. If the length > 7 throw LengthException
c) Find the average of marks, if avg < 50 throw FailedException
d) If avg < 75 && avg > 50 throw NotFirstClassException
e) If avg > 75 throw FirstClassException