Assignment 5 (Abstract class and Interface)

1. Write a java program that creates abstract class Calculation and contains add(), substract(), multiply(), and divide() methods. Make add() and multiply() as abstract methods in parent class which are defined in child class (AbstractionDemo) and call all these mehods via making object of child class.
2. Implement Drawable interface that has only one method (void draw()). Its implementation is provided by Rectangle and Circle classes. In these class void draw implementation is provided that prints drawing rectangle and drawing circle statements, respectively. Call draw function appropriately.

Assignment 6 (Package and Exception Handling)

1. Create interface namely A that has 4 methods  a(),b(),c(),d(). Create abstract class named B that provides the implementation of one method of A interface say c(). Create subclass of abstract class named M, and provide the implementation of rest of the methods. Creating a test class that calls the methods of A interface.
2. Demonstrate the use of access modifiers.(Public, private, Protected, Default)
3. Write a program for example of try and multiple catch statements. In this check whether the given array size is negative or not.