**Prompt 1**

Given this initialized maven project:

C:.

│ .gitignore

│ pom.xml

│

├───.idea

│ .gitignore

│ misc.xml

│ vcs.xml

│ workspace.xml

│

└───src

├───main

│ ├───java

│ │ │ Calculadora.java

│ │ │

│ │ └───org

│ └───resources

└───test

└───java

You have to do the following:

Inside Calculadora.java, which initial code is:  
  
  
  
  
  
public class Calculadora {  
 public static int sumar(int a, int b) {  
 return a + b;  
 }  
  
 public static int restar(int a, int b) {  
 return a - b;  
 }  
  
 public static int multiplicar(int a, int b) {  
 return a \* b;  
 }  
  
 public static int dividir(int a, int b) {  
 return a / b;  
 }  
}

Create a new method called “Calculate” which will display to the user 4 options:

1. Sumar
2. Restar
3. Multiplicar
4. Dividir
5. Exit

When one of these options is selected, then the user will be asked to input two integers numbers. After that, the result of the operation must be shown.

The method Calculate must be executed in an infnite loop, which will only ends when option 5 is pressed

You must also create unitary tests for each one of the methods (“Sumar”, “Restar”, “Multiplicar”, “Dividir”, “Calculate”).

Go ahead and do your work. You must give me the full code and also you must indicate to me in which directories I must place the new code and also you must indicate to me how I execute the tests with maven.