Exception Handling

Problem statement

Develop an application to accept the Bike and fill the fuel tank with petrol at filling station and handle the exceptional situation while filling bike tank.

Operations:-

1) Validate the noOfLiters with tank capacity while filling petrol into the Bike tank.

   a) if the noOfLiters<=0 or noOfLiters>tankCapacity

throw OverFlowException("tank capacity is overflown");

   b) if the noOfLiters>1 and noOfLiters<=tankCapacity

send message as "tank filled successfully"

Specifications:-

1) create OverflowException class (a user defined exception class) with following properties:

    Properties: private message : String

   add 1-argument constructor, toString methods.

    NOTE: OverflowException class must be inherited from Exception class.

2) create class: Bike with following properties:

   Property: private String bikeName;

           Private int tankCapacity;

   Add constructors , setters, getters in the class.

3) create class: PetrolFilling

add the following methods:

```
public String fillPetrol(Bike bike, int noOfLiters){

        // write the logic to check noOfLiters <=0  and noOfLiters
is higher than tankCapacity

        // for more info: look at the operations sections

// use proper try and catch blocks to handle the exception

    }
```