**Exercise 1:**

**Create a Java class named MathUtils with a static method add, which takes two integers as input parameters and returns their sum.**

**Add a static variable counter to the MathUtils class. Increment this counter every time the add method is called.**

**Create another static method in the MathUtils class called getCounter, which returns the current value of the counter.**

**Test your class.**

**Exercise 2:**

**Implement a class called StringUtils with a static method reverse, which takes a String as input and returns the reverse of the input String.**

**Add a static variable numberOfReversals to the StringUtils class. Increment this variable every time the reverse method is called.**

**Create a static method in the StringUtils class called getNumberOfReversals, which returns the current value of the numberOfReversals.**

**Test your class.**

**Exercise 3:**

**Create a BankAccount class with a static variable interestRate. Implement a static method setInterestRate, which allows setting the interest rate for all instances of BankAccount.**

**Add instance variables accountNumber and balance to the BankAccount class.**

**Implement a static method getInterestAmount that takes a BankAccount object as input and returns the interest amount based on the interestRate and the balance.**

**Test your class.**

**Exercise 4:**

**Create a Student class with instance variables name and age.**

**Implement a static method isEligibleForVoting, which takes a Student object as input and returns true if the student's age is 18 or above; otherwise, returns false.**

**Add a static variable totalStudents to the Student class. Increment this variable every time a new Student object is created.**

**Finally, let's create a Main class to test the implementations:**