To Do:

1. Type in the code we examined in class this morning (slide 14-15 on the *Collections, Generics and Lambdas* lecture) and run it. The output should be the same as expected (slide 15).

2. Write a lambda expression which accepts two (int) numbers and determines the remainder when the first number is divided by the second.

3. Write a lambda expression which accepts two (int) numbers. The first number represents the lower bound of a range of values. The second number represents the upper bound of a range of values. The expression should return a random number within the lower and upper limits/bounds.

   The following code should be used as a guide. It generates a random integer in the range 10 – 20;

   ```
   int min = 10; int max = 20;
   Random r = new Random();
   int rand = r.nextInt((max - min) + 1 ) + min;
   ```

4. Write a lambda expression that will add three numbers together.

5. Write a lambda expression that will multiply three numbers together.

6. Write a lambda expression that will determine the larger of two numbers.

7. Write a lambda expression that will determine the smaller of two numbers.

8. Write a lambda expression that will determine the larger of three numbers.

9. Write a lambda expression that will determine the smaller of three numbers.

All of the above tasks (2-9) should use the existing *MathOperation* interface.