Given

**interface** OperationFunctionalInterface{  
 **int** operation(**int** a, **int** b);  
}  
  
**interface** CalculatorInterface{  
 **int** performOperation(OperationFunctionalInterface ofi, **int** num1, **int** num2);  
 **static void** helpMessage(**int** exitCode)  
 {  
 System.***out***.println(**"Usage: <num> <operation> <num>"**);  
 System.*exit*(exitCode);  
 }  
}

Write a Calculator class that makes uses of the provided code which accepts command line arguments as specified in the help message. If there is an incorrect number of arguments, your program should exit with an error code of 1. If a number is not valid, error code of 2. If an operator is not valid, error code of 3.

Your calculator only needs to handle integers.

Your code should be using lambdas to implement the solution.

**No lambdas, no credit!**

**Grading:**   
Correctness: You can lose up to 20% if your solution is not correct   
Quality: You can lose up to 20% if your solution is poorly designed   
Testing: You can lose up to 20% if your solution is not well tested   
Explanation: You can lose up to 40% if you cannot explain your solution during the grading session