Joshua McCann  
Lab 2

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| import java.text.\*; import java.util.\*;  public class Main {   public static void main(String[] args) {   //Notes: private static method for the lesson  *LessonFizzBuzzLAB*();  try {   *LessonCalculatorLAB*();  }  catch (Exception e){  System.*out*.println(e.toString());  }  }   private static void LessonFizzBuzzLAB(){  for(int i=1; i<=100; i++){  if(i%3==0||i%5==0) {  if (i%3 == 0) {  System.*out*.print("Fizz");  }  if (i%5 == 0) {  System.*out*.print("Buzz");  }  System.*out*.print("\n");  }  else{  System.*out*.println(Integer.*toString*(i));  }  }  }   private static void LessonCalculatorLAB() throws Exception{  int num1, num2;  double total;   num1 = *PromptForNumber*("Input first number (0-9): ");  num2 = *PromptForNumber*("Input second number (0-9): ");  total = *PromptForOperator*("Choose an operator (+, -, /, \*): ", num1, num2);   System.*out*.println("Total: " + Double.*toString*(total));  }   private static int PromptForNumber(String s) throws Exception {  Scanner inputScanner = new Scanner(System.*in*);  int number = 12;  boolean whileSwitch = false;   while(!whileSwitch) {  System.*out*.print(s);  try {  number = inputScanner.nextInt();  } catch (Exception e) {  throw new Exception("Exception thrown from PromptForNumber", e);  }  if(number > 9 || number < 0){  System.*out*.println("INVALID");  }  else{  whileSwitch = true;  }  }  return number;  }   private static double PromptForOperator(String s, int num1, int num2) throws Exception {  Scanner inputScanner = new Scanner(System.*in*);  double total = 0;  char operator = 0;  boolean whileSwitch = false;   while(!whileSwitch) {  System.*out*.print(s);  try {  operator = inputScanner.next().charAt(0);   } catch (Exception e) {  throw new Exception("Exception thrown from PromptForNumber", e);  }  switch(operator){  case '+':  total = num1+num2;  whileSwitch = true;  break;  case '-':  total = num1-num2;  whileSwitch = true;  break;  case '\*':  total = num1\*num2;  whileSwitch = true;  break;  case '/':  total = num1/num2;  whileSwitch = true;  break;  default:  System.*out*.println("INVALID");  break;  }  }  return total;  } |