LAB ACTIVITY 2

The program in this section does not compile. Fix all the compilation errors so that the program will compile successfully. Once the program compiles, execute the program, and compare its output with the sample output; then eliminate any logic errors that may exist. The sample output demonstrates what the program's output should be once the program's code is corrected.

Sample Output

```
Enter first integer:
5
Enter second integer:
3
Enter third integer:
2
The sum is 10
The product is 30
The average is 3
```

Broken Code

```
/*  Debugging Problem /
 public class Arithmetic
{
import java.util.Scanner;

public static void main( String args[] )
 {
            Scanner input = new Scanner( System.in );
            int num2
            int num3

            int sum
            int product
            int average
            System.out.println( "Enter first integer:" );
            num1 == input.nextInt();
            System.out.println( "Enter second integer:" );
            num2 == input.nextInt();
            System.out.println( "Enter third integer: );
            num3 == input.nextInt();
            sum = num1 + num2 + num3;
           product = num1 * num2 * num3;
           average = ( num1 + num2 + num3 ) / 3;
           System.out.printf( "The sum is %d\nThe product is %d\nThe average is %d\n",
     sum, product, average );
 }
} // end class Arithmetic
```