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Programming Assignment 1A: Methods & Conditions

```java
public class ExampleMinNumber {

    public static void main(String[] args)
    {

        int a = 11;
        int b = 6;
        int c = minFunction(a, b);

        System.out.println("Minimum Value = " + c);


    }
        //returns the minimum of the 2 integers
        public static int minFunction(int n1, int n2)
        {
            int min;

            if (n1 > n2)
                    min = n2;
            else
                    min = n1;

            return min;
        }


}
```

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Programming Assignment 1B: Arrays and Loops

```java
package test;

public class Test {

  public static void main(String args[])

  {

    int [] numbers = {10, 20, 30, 40, 50};


    for(int x : numbers ){

      System.out.print( x );

      System.out.print(",");

    }

    System.out.print("\n");

    String [] names ={"James", "Larry", "Tom", "Lacy"};

    for( String name : names ) {

      System.out.print( name );

      System.out.print(",");

    }

  }

}
```

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Programming Challenge 1

```java
import java.lang.Math;


public class LogCalculation {


        public static double log5(int x)

        {

                double ans = (Math.log(x) / Math.log(5));

                return ans;



        }



        public static void main(String[] args) {



                int[] values = {1, 2, 3, 4, 5, 6, 7, 8, 9, 150};



                for(int x: values)

                {

                        System.out.println("The log base 5 of '" + x + "' is: " + log5(x));

                }
```

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        }

}