

Lab-8-Solution

multTable.java

```
package lab08;

import java.util.Scanner;

public class multTable {

    public static void main(String[] args) {

        int n;

        Scanner s = new Scanner (System.in);

        System.out.print("Please input a positive integer between 1 and 9: ");

        n = s.nextInt();

        if ((n < 1) || (n > 9)) System.out.println("Invalid input");

        else {

            int i,j;

            System.out.print("*\t");

            for (i = 1; i<=n; i++) System.out.print(i + "\t");

            System.out.println();

            for (i = 1; i <=n; i++) {

                System.out.print(i + "\t");

                for (j = 1; j<=n; j++) {

                    System.out.print(i*j + "\t");

                }

                System.out.println();

            }

        }

    }

}
```

intRange.java

```
package lab08;

import java.util.Scanner;

public class intRange {
    public static void main(String[] args) {
        int n1, n2;

        Scanner s = new Scanner(System.in);
        System.out.print("Please input two integers: ");
        n1 = s.nextInt();
        n2 = s.nextInt();
        if (n2 < n1) {
            int tmp = n1;
            n1 = n2;
            n2 = tmp;
        }
        System.out.print("{ " + n1);
        for (int i=n1+1; i<=n2; i++) System.out.print(", " + i);
        System.out.println("}");
    }
}
```

minMaxAvg.java

```
package lab08;

import java.util.Scanner;

public class minMaxAvg {
    public static void main(String[] args) {
        System.out.print("Please input 10 integer numbers: ");
        Scanner s = new Scanner(System.in);
        int sum,min,max;
        int num = s.nextInt();
        sum = num;
        min = num;
        max = num;
        for (int i = 1; i<10; i++) {
            num = s.nextInt();
            sum += num;
            if (num > max) max = num;
            if (num < min) min = num;
        }
        System.out.println("Max:\t" + max);
        System.out.println("Min:\t" + min);
        System.out.println("Avg:\t" + (sum / 10));
    }
}
```