**multTable.java**

**package** lab08;

**import** java.util.Scanner;

**public** **class** multTable {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** n;

Scanner s = **new** Scanner(System.in);

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

n = s.nextInt();

s.close();

**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();

}

}

}

}

**openSum.java**

**package** lab08;

**import** java.util.Scanner;

**public** **class** openSum {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

System.out.print("Please input integer numbers. "

+ "To terminate input and print the total "

+ "please enter a negative number: ");

Scanner s = **new** Scanner(System.in);

**int** sum = 0;

**int** num = s.nextInt();

**while** (num >= 0) {

sum += num;

num = s.nextInt();

}

System.out.println("Total is " + sum + ".");

s.close();

}

}

**intRange.java**

**package** lab08;

**import** java.util.Scanner;

**public** **class** intRange {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**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;

}

s.close();

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) {

// **TODO** Auto-generated method stub

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;

}

s.close();

System.out.println("Max:\t" + max);

System.out.println("Min:\t" + min);

System.out.println("Avg:\t" + (sum / 10.0f));

}

}

**conMMA.java**

**package** lab08;

**import** java.util.Scanner;

**public** **class** conMMA {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

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 < 0) **continue**;

**if** (num > max) max = num;

**if** (num < min) min = num;

}

s.close();

System.out.println("Max:\t" + max);

System.out.println("Min:\t" + min);

System.out.println("Avg:\t" + (sum / 10.0f));

}

}