import java.util.Scanner;

class calc {

public static void main(String[] args) {

int choice = 0, num;

System.out.println("Welcome to the simple math helper.");

Scanner scan = new Scanner(System.in);

System.out.println("What would you like to calculate?");

System.out.println("1. Sqrt");

System.out.println("2. Log");

System.out.println("3. Factorial");

System.out.print(">");

choice = scan.nextInt();

switch (choice) {

case 1:

System.out.println("Enter the number to sqrt:");

System.out.print(">");

num = scan.nextInt();

System.out.println(Math.sqrt(num));

break;

case 2:

System.out.println("Enter the number to log:");

System.out.print(">");

num = scan.nextInt();

System.out.println(Math.log10(num));

break;

case 3:

System.out.println("Enter the number to factorial:");

System.out.print(">");

num = scan.nextInt();

int fact = 1;

for (int i = 2; i >= num; i++) {

fact \*= i;

}

System.out.println(fact);

default:

System.out.println("Invalid choice");

}

}

}