

Question 4

Write a program that asks the user for low and high integer in a range of integers. The program then asks the user for integers to be added up.

```
import java.util.Scanner;

public class Bounds {
    public static void main(String args[]) {
        int lb, ub, isum = 0, i;
        Scanner bo = new Scanner(System.in);

        try {
            System.out.print("Enter lower bound: ");
            lb = bo.nextInt();

            System.out.print("Enter upper bound: ");
            ub = bo.nextInt();

            do {
                System.out.println("Enter numbers between the range and type 0 to stop:");
                i = bo.nextInt();

                if (i > lb && i < ub)
                    isum += i;
            } while (i != 0);

            System.out.println("The sum within the range is: " + isum);
        } catch (Exception e) {}

        bo.close();
    }
}
```

Output:

```
Enter lower bound: 5
Enter upper bound: 150
Enter numbers between the range and type 0 to stop:
101
Enter numbers between the range and type 0 to stop:
102
Enter numbers between the range and type 0 to stop:
105
Enter numbers between the range and type 0 to stop:
0
The sum within the range is: 308
```