

3. 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();
    } }
```