Answer

import java.util.Scanner;

class ExampleInteger

{

public static void main(String args[]){

//Input

Scanner input=new Scanner(System.in);

int i,n,j,t=0,sum=0;

System.out.println("Enter an integer between 1 and 9 ,inclusive:");

n=input.nextInt();

//max count 1< or >9

while(n<1 || n>9)

{

System.out.println("incorrect.Enter an integer between 1 and 9 ,inclusive:");

n=input.nextInt();

}

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

{

for(j=1;j<=i;j++)

{

//count no of integers

System.out.print(i);

t++;

//sum of all integers

sum=sum+i;//sum of all integers

}

System.out.println("\n");

}

System.out.println("The total number of integer written:\t"+t);

System.out.println("The total sum of integers:\t"+sum);

}

CSC108 - Intro to Programming

Inclass05A

Please write a Java program called Inclass05A that asks the user to enter an integer between 1 and 9 inclusive. Please use a priming read together with a “while” loop to test if the entered integer falls outside this range. If so, continue requesting for a valid integer. Once a valid integer has been entered, please use an outer “for” loop together with another nested inner “for” loop to print a pattern similar to the sample runs below. You are to calculate the total number of integers written, and the total sum of all the integers written and print these results at the end. Please use descriptive variable names that conform to Java naming conventions.

Please rename your project folder to “Your Name Inclass05A” and send me your zipped project file as an attachment in a Blackboard message for class participation credit. Also below is a Visual Logic flowchart solution that you can use to design your Java solution.

run:

Enter an integer between 1 and 9, inclusive:

10

Incorrect. Enter an integer between 1 and 9, inclusive:

0

Incorrect. Enter an integer between 1 and 9, inclusive:

9

1

22

333

4444

55555

666666

7777777

88888888

999999999

The total number of integers written: 45

The total sum of all integers: 285

run:

Enter an integer between 1 and 9, inclusive:

3

1

22

333

The total number of integers written: 6

The total sum of all integers: 14

Here is a sample Visual Logic program to help you with your Java program design:

