

## Assignment - 5 IT-24057

```
import java.util.Scanner;

public class SeriesSum {

    public static void main (String [] args) {

        Scanner Scanner = new Scanner (System.in);
        System.out.print ("Number of cases you want  
to try: ");
        int cases = Scanner.nextInt();

        for (int i = 1; i <= cases; i++) {

            System.out.print ("case " + i + ": Enter n: ");

            int n = Scanner.nextInt();
            StringBuilder series = new StringBuilder();

            for (int j = 1; j <= n; j++) {

                series.append (j);
```

```
if (j < n) {
```

```
    series.append(" + ") + i;
```

```
}
```

```
}

// Print the sum of the series
System.out.println("Sum of series is: " + sum);
```

```
int sum = n * (n + 1) / 2;
```

```
System.out.println(series + " = " + sum);
```

```
}
```

```
Scanner.close();
```

```
}
```

```
}
```