

```

import java.util.Scanner;
public class IfDowhile {
public static void main(String[]args) {
Scanner scanner = new Scanner (System.in);
int n, S=0;
while(S<1000){
n=scanner.nextInt();
if (n<0){
n=0;
System.out.println("Please enter a valid number");}
S+=n;
}
System.out.println(S);

S=5;
while(S>0){
n=0;
while(n<S){
System.out.format("%-2d",S);
n++;
}
System.out.format("%n");
S--;
}

double S1=0, S2=0;
S=0;
n=scanner.nextInt();
while(S<n){
S1=S1+Math.pow(S,2);
S2=S2+S;
S++;
}
S2=Math.pow(S2,3);
if(S1>S2){
System.out.println("S1>S2");}
else if(S1<S2){
System.out.println("S1<S2");
}
else {
System.out.println("S1=S2");
}
scanner.close();
}
}

```