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1. Write a program to check whether a number given as input is divisible by the sum of its digits.

```
package Number;

import java.util.Scanner;

public class NumberH {

    public static void main(String[] args) {

        int n,r=0,sum = 0;

        Scanner s = new Scanner(System.in);

        System.out.print("Enter the number : ");

        n = s.nextInt();

        int num=n;

        while(num>0)

        {

            r = num%10;

            sum = sum + r;

            num = num/10;

        }

        if(n%sum==0){

            System.out.println(n + " is divisible by sum of its digits");

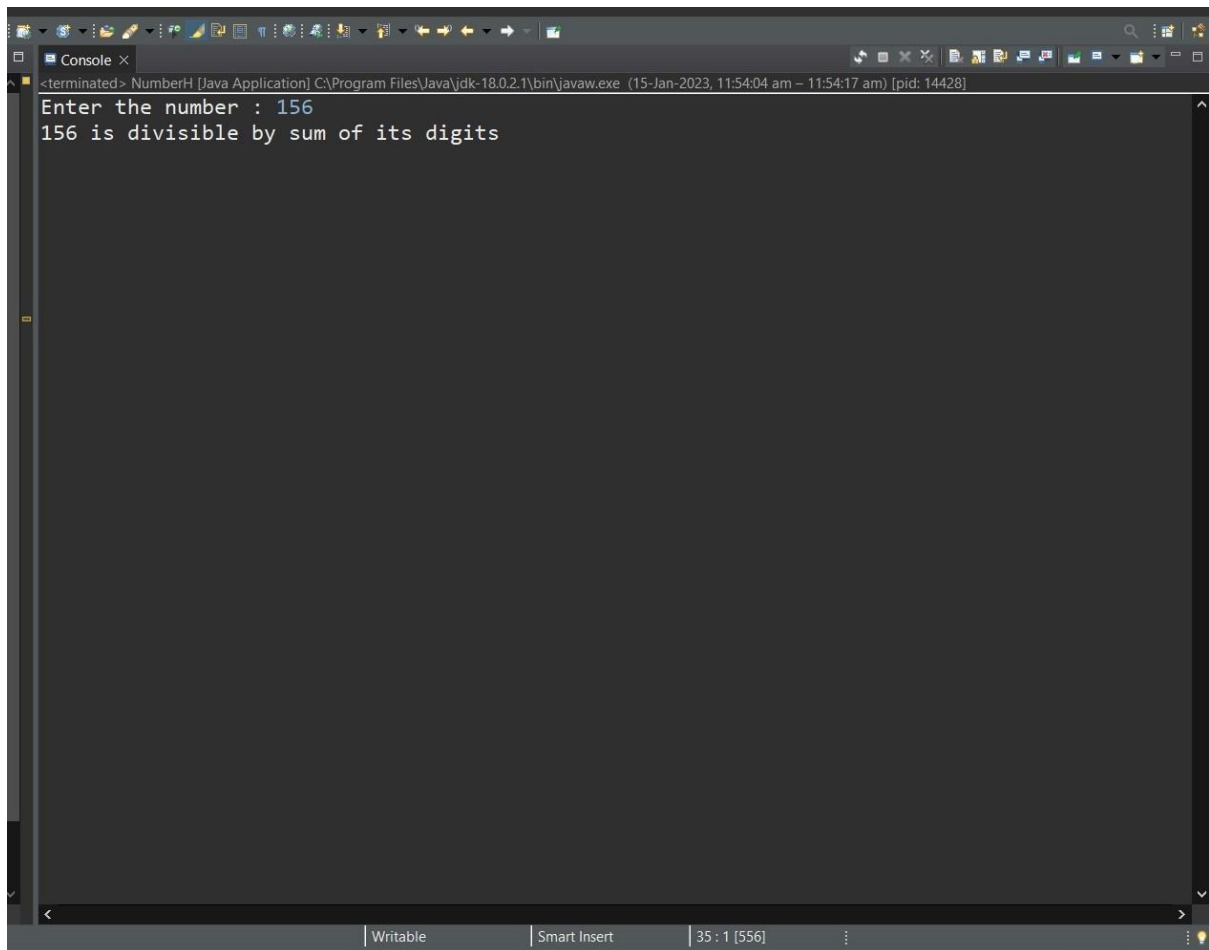
        }

    }

}
```

```
else  
  
{  
  
System.out.println(n+ " is not divisible by sum of its  
digits ");  
  
}  
  
}  
  
}
```

Output :



The screenshot shows a Java IDE console window. The title bar indicates the application is "NumberH [Java Application]" and the path is "C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe". The console output shows the prompt "Enter the number : 156" followed by the result "156 is divisible by sum of its digits". The status bar at the bottom shows "Writable", "Smart Insert", and "35 : 1 [556]".

```
<terminated> NumberH [Java Application] C:\Program Files\Java\jdk-18.0.2.1\bin\javaw.exe (15-Jan-2023, 11:54:04 am - 11:54:17 am) [pid: 14428]  
Enter the number : 156  
156 is divisible by sum of its digits
```