

```
1 /**
2  * C program to check whether a number is strong number or not
3  **/
4
5 #include<stdio.h>
6
7 int main(){
8     int i,originalNum,num,lastDigit,sum;
9     long fact;
10
11     /* input a number from user */
12     printf("enter the number: ");
13     scanf("%d",&num);
14
15     /* Copy the values of num to a temporary variable */
16     originalNum= num;
17
18     sum=0;
19
20     /* find sum of factorial of digits */
21     while(num){
22
23         /* Get last digit of num */
24         lastDigit=num%10;
25
26         /* Find factorial of digits */
27         fact=1;
28         for ( i = 1; i <= lastDigit; i++)
29         {
30             fact=fact*i;
31         }
32
33         /* Add factorial to sum */
34         sum=sum+fact;
35
36         num=num/10;
37     }
38
39     /* Check stronge number condition*/
40     if (sum==originalNum)
41     {
42         printf("%d is stronge number.",originalNum);
43     }
44     else
45     {
46         printf("%d is not stronge number.",originalNum);
47     }
48     return 0;
49 }
```