

### 1. Strong number:-

```
#include <stdio.h>

int factorial(int n)
{
    int f = 1;
    for (int i = 2; i <= n; i++) f *= i;
    return f;
}

int main() {
    long num;
    printf("Enter a number:");
    if (scanf("%ld", &num) != 1) return 0;
    long original = num;
    long sum = 0;
    if (num < 0) num = -num;
    while (num > 0) {
        int d = num % 10;
        sum += factorial(d);
        num /= 10;
    }
    if (sum == original)
        printf("%ld is a strong number.\n", original);
    else
        printf("%ld is not a strong number.\n", original);
    return 0;
}
```



2. Perfect number:-

```
#include <stdio.h>
int main () {
    int num, i, Sum = 0;
    printf ("Enter a number:");
    scanf ("%d", &num);
    for (i=1; i<=num/2; i++) {
        if (num % i == 0) {
            Sum += i;
        }
    }
    if (Sum == num)
        printf ("%d is a perfect number.\n", num);
    else
        printf ("%d is not a perfect number.\n", num);
    return 0;
}
```