

Q. To check a strong number

```
#include <stdio.h>
int factorial (int n)
{
    int i, fact = 1;
    for (i=1; i<=n; i++)
    {
        fact = fact * i;
    }
    return fact;
}

int main (void)
{
    int number, sum = 0;
    printf ("Enter the number:");
    scanf ("%d", &number);
    int i = n;
    while (i != 0)
    {
        sum = sum + factorial (i % 10);
        i = i / 10;
    }
    if (sum == n)
    {
        printf ("%d is strong number", number);
    }
    else
    {
        printf ("%d is not strong number", number);
    }
}
```

Q. Perfect number:

```
#include <stdio.h>

int main(){
    int number, i, sum = 0;
    printf("Enter a +ve integer: ");
    scanf("%d", &number);

    if (number <= 0){
        printf("Enter a positive number integer:\n");
    }

    for (i=1; i<number; i++){
        if (number % i == 0){
            sum += i;
        }
    }

    if (sum == number){
        printf("%d is a perfect number\n", number);
    } else {
        printf("%d is not a perfect number\n", number);
    }

    return 0;
}
```