

25-11-2025

1) Program to find a strong number.

```
#include <stdio.h>
#include <conio.h>
int main()
{
    int num, temp, rem;
    int sum = 0, fact;
    printf("Enter a number:");
    scanf("%d", &num);
    temp = num;
    while (temp > 0)
    {
        rem = temp % 10; // extract digit
        // calculate factorial of rem
        fact = 1;
        for (int i = 1; i <= rem; i++)
        {
            fact *= i;
        }
        sum += fact; // add factorial to sum
        temp /= 10; // remove last digit
    }
    if (sum == num)
        printf("%d is a strong number.\n", num);
    else
        printf("%d is NOT a strong number.\n", num);
```

```
    return 0;
```

```
}
```

2) program to find a perfect number.

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