

25/11/25

1) program to check Strong number.

A

```
#include<stdio.h>
int main() {
    int num, temp, rem, factorial, sum = 0;
    printf("Enter a number:");
    scanf("%d", &num);
    temp = num;
    while (temp > 0) {
        rem = temp % 10;
        factorial = 1;
        for (i = 1; i <= rem; i++) {
            factorial *= i;
        }
        sum += factorial;
        temp /= 10;
    }
    if (sum == num)
        printf("%d is a strong number.", num);
    else
        printf("%d is not a strong number.", num);
    return 0;
}
```

2) Program to check Perfect Number.

A) `#include <stdio.h>`

`int main() {`

`int num, i, sum = 0;`

`printf("Enter a number: ");`

`scanf("%d", &num);`

`for (i = 1; i < num; i++) {`

`if (num % i == 0) {`

`sum += i;`

`}`

`}`

`if (sum == num)`

`printf("%d is a perfect number.", num);`

`else`

`printf("%d is not a perfect number.", num);`

`return 0;`

`}`