

1) Write a program on strong number

```
#include <stdio.h>
#include <conio.h>

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

int main() {
    int num, temp, digit, sum=0;
    printf ("Enter a number");
    scanf ("%d", &num);
    temp = num;
    while (temp>0) {
        digit = temp % 10;
        sum += factorial(digit);
        temp /= 10;
    }
    if (sum == num)
        printf ("%d is strong number\n", num);
    else
        printf ("%d is NOT strong number\n", num);
    return 0;
}
```

Output

Enter a number 145
145 it is a strong number.

)) Write a program on perfect number

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

Output:

Enter a number : 28

28 is a perfect number.