

① Program to check strong number

Ans:-

```

#include <stdio.h>
int main()
{
    int num, temp, rem, factorial, i, 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;
}

```

Output:-

Enter a number : 145

145 is a strong number.

② program to check perfect number?

```
Ans:- #include <stdio.h>
#include <conio.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;
}
```

Output:-

Enter a number : 28

28 is a Perfect number.