

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.