

Q) To check a strong number.

```

#include <stdio.h>

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

int main(void)
{
    int number, sum=0;
    printf ("Enter the number : ");
    scanf ("%d", &number);
    int i=n;
    while (i!=0)
    {
        sum = sum + factorial (i%10);
        i = i/10;
    }
    if (sum == number)
    {
        printf ("%d is strong number ", number);
    }
    else
    {
        printf ("%d is not a strong number ", number);
    }
}

```

(2) perfect number:-

```
#include <stdio.h>

int main() {
    int number, i, sum=0;
    printf("Enter a positive integer: ");
    scanf("%d", &number);
    if (number<=0) {
        printf("Enter a positive number\n");
    }
    for (i=1; i<number; i++) {
        if (number % i == 0) {
            sum+=i;
        }
    }
    if (sum==number) {
        printf("%d is a perfect number.\n", number);
    } else {
        printf("%d is not a perfect number.\n", number);
    }
    return 0;
}
```