

Strong number

```
#include <stdio.h>

int main() {
    int num, temp, digit;
    int sum = 0, fact;
    printf("enter a number :");
    scanf("%d", &num);
    temp = num;
    while (temp > 0) {
        digit = temp % 10;
        fact = 1;
        for (int i = 1; i <= digit; i++)
        {
            fact *= i;
        }
        sum += fact;
        temp /= 10;
    }
    if (sum == num)
        printf("%d is a strong number \n", num);
    else
        printf("%d is not a strong number \n", num);
    return 0;
}
```

2) perfect number:-

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

int main() {
    int num, sum = 0;
    printf("enter a number :");
    scanf("%d", &num);
```

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

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

```
        sum = sum + i;
```

```
    }
```

```
}
```

```
if (sum == num)
```

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

```
else
```

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

```
    return 0;
```

```
}
```