1) Strong number for example 145 is a strong number

$1! + 4! + 5! = 1 + 24 + 120 = 145$.

2) Perfect number that is equal to the sum of its pro

Strong number :-

```
#include<stdio.h>
   int factorial (int n){
    int fact = 1;
for (int i=1; i<=n; i++)
  fact * = i;
  return fact;
}
   int main () {
int num, temp, sum = 0;
Printf ("Enter a number:");
Scanf ("%d", &num);
   temp = num;
while (temp > 0) {
 int digit = temp % 10;
 sum + = factarial (digit);
     temp /= 10;
   }
      if (sum = num).
Printf ("%d is a strong number", num);
else
Printf ("%d is not a strong number", num);
```

getch ();

}

Perfect number:-

```
#include<stdio.h>
#include<Math.h>
#include<stdbool.h>
bool is_Perfect (int n){
if (n<=1) return false;

int sum=1;
int r=(int) sqrt (n);
for (int d=2; d<=r; ++d){
if (n%d==0){
sum+=d;
int other=n/d;
if (other!=d) sum+=other;
}
}
return sum==n;
}
int main (){
int limit=10000;
Printf ("Perfect numbers up to %d:\n",limit);
for (int i=2; i<=limit; ++i){
if (is_Perfect (i) Printf ("%d, n", i);
}
return 0;
```