1) strong number

```
#include <stdio.h>
int factorial(int n){
int f=1;
for(int i=2; i<=n; ++i) f*=i;
return f;
}
int main(){
long num;
printf("Enter a number: ");
if(scanf("%ld", &num)!=1) return 0;
  long original=num;
  long sum=0;
  if(num<0) num=-num;
  while(num>0){
  int d=num%10;
  sum+=factorial(d);
  num/=10;
  }
if(sum==original)
printf("%ld is a strong number.\n", original);
else
printf("%ld is not a strong number.\n", original);
return 0;
}
```

2. perfect number:-

```
#include <stdio.h>
int main() {
int num, i, sum = 0;
printf("Enter a number:");
scanf("%d", &num);
for(i=1; i<=num/2; i++) {
if (num%i==0){
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;
}
```

output:

Enter a number: 28

28 is a perfect number.