write a c program to find first and last digit of a number

```c
#include < stdio.h >
int main () {
    int num, first, last;
    printf ("enter a number : ");
    scanf ("%d", & sum);

    last = num % 10;
    while (num > = 10)
        num = num / 10;
    first = num;

    printf (" first digit number = %d\n", first);

    printf (" last digit = %d\n", last);

    return 0;
}
```

Input

Enter a number : 4572

Output

first digit = 4

last digit = 2

find a factorial of given number

```c
#include <stdio.h>
int main() {
int n, i;
long fact = 1;
printf("enter a number:");
scanf("%d", &n);
for(i=1; i<=n; i++)
  fact = fact * i;
printf("factorial = %ld", fact);
return 0;
}
```

Input
  Enter a number : 5
output
  factorial = 120

find the given number is prime number or not

```c
#include <stdio.h>
int main() {
int n, i, count=0;
printf("enter a number:");
scanf("%d", &n);
for(i=1; i<=n; i++){
if(n% i==0)
  count++;
}
if(count == 2)
printf("prime number");
```

```
        else
        printf ("not a prime number ");
        return 0;
        }
```

Input
Enter a number : 7

Output
Prime number

Print the given number is strong number or not

```c
#include <stdio.h>
int main () {
    int n, Temp, digit, fact, sum = 0 ;
    printf ("enter a number :");
    scanf ("./.d",&n);
    Temp = n ;
    while (Temp > 0) {
    digit = Temp ./. 10;
    fact = 1;
    for (int i = 1; i <= digit; i++)
      fact *= i;
    sum += fact;
    Temp / = 10;
    }
    if (sum == n)
      printf ("strong number");
    else
    printf ("not a strong number ");
    return 0;
    }
```

Input
enter a number : 145
Output
strong Number

find the sum of all digits in a number

```c
#include <stdio.h>
int main() {
    int n, sum = 0, digit;
    printf(" Enter a number : ");
    scanf("%d", &n);
    while (n>0) {
    digit = n % 10;
    sum + = digit;
    n=n/10;
    }
    printf(" sum of digits = %d", sum);
    return 0;
}
```

Input
Enter a number = 1234

Output
sum of digits = 10