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

```c
#include<stdio.h>
#include<conio.h>
void main()
{
    int num, firstdigit, lastdigit;
    clrscr();
    Printf(" enter a number:");
    scanf(" %d", &num);
    last digit = num % 10;
    while (num >= 10)
    {
        num = num/10;
    }
    firstdigit = num;
    Printf(" first digit = %d\n", first digit);
    Printf("east digit = %d\n", lastdigit);
    getch();
}
```

Input
Enter a number: 45679
Output
Firstdigit = 4
last digit = 9

2. Find the factorial of a given number.

```c
#include<stdio.h>
#include<conio.h>
void main()
{
    int n, i;
    clrscr();
    long long fact = 1;
    Printf("enter a number :");
```

```c
scanf ("%d", &n);
for(i=1; i<=n; i++)
{
fact *= i;
}
printf ("factorial = %lld \n", fact);
getch();
}
```

Input
enter a number : 6
output
factorial = 720

3. Find the given number is prime number or not

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

```
else
Printf ("%d is not a prime number.\n", n);
getch();
}
```

Input

Enter a number:45

output

45 is not a prime number.

4. Print the given number is strong number or not

```
#include<stdio.h>
#include<conio.h>
void main()
{
int num, temp, digit, sum=0, fact;
clrscr();
printf(" enter a number:");
scanf("%d", &num);
temp=num;
while (temp>0)
{
digit = temp%10;
fact =1;
for(i=1; i<=digit; i++)
fact *=i;
sum+=10;
temp/ =10;
}
if (sum==num)
printf("%d is a strong number.\n", num);
else
```

```c
printf("%d is not a strong number.\n",num);
getch();
}
```

Input
Enter a number: 0
output
0 is a strong number.

5. Find sum of all digits in a number.

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

Input
enter a number: 999
sum of digits = 27