

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

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

```
int main()
```

```
{
```

```
int num, first, last;
```

```
printf("Enter the number:");
```

```
scanf("%d", &num);
```

```
last = num % 10;
```

```
while (num >= 10)
```

```
{
```

```
num = num / 10;
```

```
}
```

```
first = num;
```

```
printf("first digit %d and last digit %d\n", first, last);
```

```
return 0;
```

```
}
```

Put Put:

Enter the number : 1327

first digit = 1

last digit = 7



2) find the factorial of a given number

```
#include <stdio.h>
void main()
```

```
{
    int i, f=1, num;
    printf("Enter the number:");
    scanf("%d", &num);
    for (i=1; i<=num; i++)
        f = f * i;
    printf("The factorial of %d is: %d\n", num, f);
}
```

Output:

Enter the number : 5

The Factorial of 5 is 120

3) find the given number is Prime number or not

```
#include <stdio.h>
int main()
```

```
{
    int n;
    printf("Enter the value:");
    scanf("%d", &n);
    for (i=1; i<=n; i++)
    {
        if (n % i == 0)
            counter++;
    }
    if (counter == 2)
        printf("%d is a Prime number:\n", n);
    else
        printf("%d is not Prime number:\n", n);
    return 0;
}
```



outPut:

enter the value : 9  
9 is not prime number

enter the value : 5  
5 is ~~not~~ prime number

(4) Print the given number is strong number or not

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

```
void main()
```

```
{  
    int i, fact = 1;  
    for (i = 1; i <= n; i++)
```

```
{  
    fact = fact * i;
```

```
}  
}
```

```
int n, sum = 0;
```

```
printf("Enter the number: ");
```

```
scanf("%d", &n);
```

```
int i = n;
```

```
while (i > 0)
```

```
{  
    sum = sum + fact / i;  
    i = i / 10;
```

```
}  
if (sum == n)
```

```
{  
    printf("%d is strong number", n);
```

```
}  
else
```

```
{  
    printf("%d is not strong number", n);
```

```
}  
}
```



### Out Put

Enter the number : 145

145 is a Strong number

Enter the number : 112

112 is not a Strong number

find Sum of all digits in a number

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

```
void main()
```

```
{
```

```
    int n, s=0;
```

```
    printf("Enter the number : \n");
```

```
    scanf("%d", &n);
```

```
    while (n > 0)
```

```
    {
```

```
        r = n % 10;
```

```
        s = s + r;
```

```
        n = n / 10;
```

```
    }
```

```
    printf("Sum of digits : %d", s);
```

```
}
```

### Out Put:

Enter the number : 123

Sum of digits : 6

Enter the number : 3286

Sum of digits : 19