

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

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

```
int main()
```

```
{
```

```
    int num, first, last; /*num is int storag */
```

```
    printf("Enter the number:"); /* b1 */
```

```
    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;
```

```
}
```

Output:

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%10);

    i = i/10;

} if (sum == n)

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

} else

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

}

### Output

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);
}
```

### Output:

Enter the number : 123

Sum of digits : 6

Enter the number : 3286

Sum of digits : 19