//Factorial No.

```
let n ;
let i;
f1=1;
i=n;
n =prompt("Enter Any Number");
console.log(“num”  +n)
while(i>1)
{
  f1=f1*i;
    i--;
}
console.log("f1 :" , f1);
```

Output:

num 10

script.js:14  fact : 3628800

//Prime No or Not.

```
let n;
let i=2;
n = prompt("enter a number");
var flag=false;
while(i <= n/2)
{
    if(n % i== 0){
        flag =true;
        break;
    }
    i++;
}
if(! flag){
    console.log(n,"is a prime no");
}
else{
    console.log(n,"is a not prime no");
}
```

Output:

5 is a prime no

```
// pronic number or not.
 let n;
  let i;
 n=prompt("Enter Number");
  i=0;
 var ispronic = false;
  while(i* (i+1) <= n)
  {
     if(i*(i+1)==n)
    {
   ispronic = true ;
     break;
    }
     i++;
  }
  if(ispronic)
{
 console.log( n+ "is a pronic number");
}
 else{
 console.log( n+ "is a not pronic number");
  }
```

Output:

12is a pronic number

```
//Fibonacci Series
  let n;
  f1 = 0;
  f2 = 1;
  n=prompt("enter number");
 let i=1;
  while(i <= n){
    console.log(f1+ " ");
   let f3 = f1 + f2;
     f1 = f2;
    f2 = f3;
   i++;
  }
```

Output:

0

1

2

3

5

8

13

21

34

```
//Number Is Palindrome Or Not.
let n;
n=prompt("Enter A Number");
let originalno = n;
let reverseno = 0;
while(n != 0){
  let rem = n % 10;
  reverseno = reverseno * 10 + rem;
    n = Math.floor (n / 10);
}
if(originalno == reverseno){
  console.log(originalno ,"is a palindrome" );
}
else{
  console.log(originalno ,"is a not palindrome" );
}
```

Output:

121 is a palindrome

```
//Number is Armstrong Or Not.
let n;
let n1;
let rem;
let result = 0;
n= prompt("Enter a Number");
n1 = n;
while(n1 != 0)
{
   rem = n1 % 10;
   result +=  Math.pow(rem ,3);
   n1 =Math.floor(n1 / 10);
}
if(result == n)
{
   console.log(n+ " is a Armstrong");
}
else{
   console.log(n+ " is a not Armstrong");
}
```

Output:

153 is a Armstrong

```
//Count Of Digit
let n;
count =0;
n =prompt("Enter Number");
while( n > 0)
{
```

```
  count++;
  n = n / 10;
}
console.log(count ,"count");
```

Output:

digit: 6578

4 count

```
//sum of first and last digit

let n;
let sum;
n = prompt("Enter Number");
console.log("digit:", n);
let lastdigit = n % 10;
let firstdigit = n;
while(firstdigit >= 10)
{
    firstdigit =Math.floor(firstdigit / 10);
}
sum = firstdigit + lastdigit;
console.log("Sum of the first and last digit" + sum);
```

Output:

digit: 456

Sum of the first and last digit10

```
//Sum of digit.

let n;
let n1;
let sum=0;
n= prompt("Enter a Number");
console.log("digit:", n);
while((n >0 )||(n!=0))
{
   n1=n % 10;
   n=n / 10;
   sum=sum + n1;
}
   console.log("Sum of Digit" +sum);
output:
digit: 675
script.js:135 Sum of Digit18

//perfect no or not.
let n;
let i;
let sum = 0;
n=prompt("enter a number");
i=1;
while(i <= n /2)
{
   if(n % i == 0){
      sum += i;
   }
```

```
    i++;
}
if(sum == n){
    console.log(n,"is a perfect no");
}else{
    console.log(n,"is a not perfect no");
}
```

Output:

28 is a perfect no