// to print 1 to n number.

```
let n=Number(prompt("Enter Your Number"));
console.log("number:",n);
for(let i=1; i<=n; i++){
    console.log(" ",i);
}
```

Output:

number: 4
1
2
3
4

//print upto n numbers with difference 50.

```
let n=Number(prompt("Enter Your Number"));
 console.log("number:",n);
 for(let i=100; i<=n; i=i+50){
console.log(" ",i);
 }
```

Output:
number: 500
100
150
200
250
300
 350
400
450
500

//print decresing number upto n numbers .

```javascript
let n=Number(prompt("Enter Your Number"));
 console.log("number:",n);
 for(let i=n; i>=1; i--){
console.log(" ",i);
 }
```

Output:

number: 8
8
7
6
5
4
3
2
1

//to print upto n even number.

```javascript
let n=Number(prompt("Enter Your Number"));
 console.log("number:",n);
  for(let i=2; i<=n; i=i+2){
console.log("even number:",i);
  }
```

Output:
number: 10
even number: 2
even number: 4
even number: 6
even number: 8
even number: 10

//to print upto n odd number.

```
let n=Number(prompt("Enter Your Number"));
 console.log("number:",n);
  for(let i=1; i<=n; i=i+2){
console.log("odd number:",i);
  }
```

```
number: 10
odd number: 1
odd number: 3
odd number: 5
odd number: 7
odd number: 9
```

//accept 1 number from user and display sum upto n number.

```
let n=Number(prompt("Enter Your Number"));
let sum=0;
console.log("number:",n);
for(let i=1; i<=n; i++){
sum=sum+i;
 }
 console.log("Sum:",sum);
```

```
output:
number: 6
Sum: 21
```

//accept x &y number from user print sum between x & ynumber.

```
let x=Number(prompt("Enter first Number"));
let y=Number(prompt("Enter second Number"));
 let sum=0;
 console.log("first number:",x);
 console.log("second number:",y);
 for(let i=x; i<=y; i++){
 sum=sum+i;
```

```
  }
 console.log("Sum:",sum);
```

Output:
first number: 2
script.js:57 second number: 6
script.js:61 Sum: 20


```
//print upto n factorial numbers.

let n=Number(prompt("Enter Your Number"));
 let f1=1;
console.log("number:",n);
 for(let i=n; i>1; i--){
f1=f1*i;
}
console.log(`${n}!= ${f1}`);
```

Output:
number: 5
script.js:71 5!= 120

```
//x^n

let x=Number(prompt("Enter x Number"));
let n=Number(prompt("Enter n Number"));
 let f1=1;
console.log("number:",x);
console.log("number:",n);
 for(let i=1; i<=n; i++){
 f1=f1*x;
}
 console.log(`${x}^${n}= ${f1}`);
```

output:
number: 4
number: 4
4^4= 256

```javascript
// accept one number from user & display its factors.

let n=Number(prompt("Enter n Number"));
 let sum=1;
console.log("number:",n);
 for(let i=1; i<=(n/2); i++){
if (n%i==0)
{
 console.log(`${n} is factors ${i}`);
}
 }
```

```
number: 10
10 is factors 1
10 is factors 2
10 is factors 5
```