

Easy

Write a program to add 5 numbers. The value of numbers are num1=5, num2=13, num3=7, num4=21 and num5=48.

```
let num1=5, num2=13, num3=7, num4=21 ,num5=48.
let sum=num1+num2+num3+num4+num5;
console.log(sum);
```

Write a program to take a number input from user and determine whether the number is odd or even.

```
const input = prompt("please enter the number ");
alert(`Your number is ${input}`);
if(input % 2 == 0)
{
    console.log(+input +" number is Even" );
}
else{
    console.log(input+" number is odd" );
}
```

Write a program to find the maximum and minimum out of two given numbers. The numbers are num1=129 and num2=251.

```
console.log("easy 3");
{let num1=129,num2=251;
    if(num1>num2)
    {
        console.log("num1 is greater ");
    }
    else{
        console.log("num2 is greater ");
    }
}
```

Write a program to find the maximum out of three given numbers. The numbers are num1=8, num2=23 and num3=17.

```
{let num1=8, num2=23, num3=17;
    if(num1>num2 & num1 > num3)
    {
        console.log("num1 is greater ");
    }
    else if(num2>num3 && num2>num1){
        console.log("num2 is greater ");
    }
    else{
        console.log("num3 is greater ");
    }
}
```

Write a program to find the minimum out of three given numbers. The numbers are num1=35, num2=29 and num3=46.

```

{let num1=35, num2=29, num3=46;
  if(num1<num2 & num1 < num3)
  {
    console.log("num1 is lesser ");
  }
  else if(num2<num3 && num2<num1){
    console.log("num2 is lesser ");
  }
  else{
    console.log("num3 is lesser ");
  }
}

```

Write program to take a month as an input from the user and find out whether the month has 31 days or not.

```

const input = prompt("please enter the month ");
let jan,mar,may,july,aug,oct,dec;
let feb,apr,jun,sep,nov;
alert(`Your month is ${input}`);
if(input == jan && mar && may && july && aug && oct && dec)
{
  console.log(+input +" month has 31 days" );
}
else(input == feb && apr && jun && sep && nov)
{
  console.log(input+" month not has 31 days " );
}

```

Intermediate

Fizzbuzz - Write a program to return an array from 1 to 100. But for every multiple of 3, replace the number with "Fizz", for every multiple of 5, replace the number with "Buzz" and for every multiples of 3 & 5, replace with "FizzBuzz".

```

{
  for(i=0;i<=100;i++)
  {
    if(i%3==0 && i%5==0)
    {
      console.log("FizzBuzz");
    }
    else if(i%3==0 || i%5==0)
    {
      console.log("Fizz");
    }
    else{console.log(i);}
  }
}

```

Your output should look something like this 1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz, Buzz, 11, Fizz, 13, 14, FizzBuzz, 16, 17

Print the following star pattern :-

```

*
* *
* * *
* * * *
* * * * *

```

```

let n=5;
for(i=1;i<=n;i++)
{
    for(j=1;j<=i;j++){
        console.log("*");
    }
    console.log("\n");
}

```

Write a program to take a number input from user and print multiplication table 12 times for that number.

```

console.log("intermediate 3");
{
    const input = prompt("please enter the number ");
    let num =input*12;
    console.log(input+" multiply of 12 "+num);
}

```

Write a program to return a Fibonacci series : 0,1,1,2,3,5,8,13,21....

```

console.log("program to take an input from a user and find its fibonacci");
function fibonacci(num)
{
    let num1=0;
    let num2=1;
    let sum;
    for(i=0; i<num;i++)
    {
        sum=num1+num2;
        num1=num2;
        num2=sum;
        i++;
    }
    console.log(sum);
    return num2;
}
console.log("the Fibonacci of " +fibonacci(8) );

```

Write a program to take an input from a user and find its Factorial.
Example: Factorial of 5 is 120

```

console.log("program to take an input from a user and find its Factorial");
{
    let i,n,fact=1;
    const input = prompt("please enter the number to Factorial ");
}

```

```

n=input;
for(i=1;i<=n;i++)
{
    fact=fact*i;
}
    console.log("the Factorial of " +n +" is " +fact);

}

```

Write a Program to take a number input from user and find if the number is Prime or not.

```

import {sqrt } from 'mathjs'
function isPrime(num)

{
    if (num <=1 )
    return false;
    if(num %2 == 0)
    return false;
    const s= math.sqrt (num);
    for(i=3;i<=s;i+2){
    if(num % i === 0 )
    return false;
    }
    return true;
}
console.log(isPrime(121));

```

Write a program to take a day as an input and determine whether it is a weekday or weekend. Example: Tuesday is weekday.

```

    console.log("a program to take a day as an input and determine whether
it is a weekday or weekend");
    let saturday,sunday;
    const input = prompt("please enter the day ");
    if(input == saturday && sunday )
    {
        console.log(input+" enter day is weekend");
    }
    else
    {
        console.log(input+ " enter day is weekday")
    }
}

```