3.

//Write a program to find the factorial of a number.

let num=7;

let i=1;

let fact=1;

while(i<=num)

{

    fact=fact\*i;

    i++;

}

console.log(`The factorial of ${num} is ${fact}.`);

1.Write a program to find whether a given year is a leap year or not

function LeapYear(year)

{

    if(year % 4 === 0 && year % 400 === 0)

    {

        console.log("yes it is a leap year")

    }

    else

     {

        console.log("No its not a leap year")

    }

}

myinputYear = 2090;

LeapYear(myinputYear)

2.Write a JavaScript program to convert temperatures to and from Celsius,  
Fahrenheit.  
[ Formula : c/5 = (f-32)/9 [ where c = temperature in Celsius and f = temperature in  
Fahrenheit ]  
*Expected Output* :  
60°C is 140 °F  
45°F is 7.222222222222222°C

function celToFar(celsius)

{

  cTemp = celsius;

  celToFar = cTemp \* 9 / 5 + 32;

  print = cTemp+'\xB0C is ' + celToFar + ' \xB0F.';

    console.log(print);

}

function farToCel(fahrenheit)

{

  fTemp = fahrenheit;

  farToCel = (fTemp - 32) \* 5 / 9;

  ans = fTemp+'\xB0F is ' + farToCel + '\xB0C.';

    console.log(ans);

}

celToFar(60);

farToCel(45);