***Index.html***

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width">

<title></title>

</head>

<body>

<script src="script.js"></script>

</body>

</html>

***script.js***

//Question 1:To check if the no is even or odd

/\*num=prompt("Enter a number")

console.log(num)

function even()

{

if(num%2==0)

{

console.log(`The number is ${num} and it is even.`)

}

else

{

console.log(`The number is ${num} and it is odd.`)

}

}

even();\*/

//Question3:Grading using if else

//num=prompt("Enter a number")

//console.log(num)

// if(num<=30)

// {

// console.log("The student is fail")

// }

// else if((num>30)&&(num<=60))

// {

// console.log("The student is passed and has got grade C")

// }

// else if((num>60)&&(num<=90))

// {

// console.log("The student is passed and has got grade B")

// }

// else

// {

// console.log("The student is passed and has got grade A")

// }

//Using switch case

marks=prompt("Enter a number")

console.log(marks)

if(num<=30)

{

var x=1;

}

else if((num>30)&&(num<=60)){

var x=2;

}

else if((num>60)&&(num<=90))

{

var x=3

}

switch(x)

{

case 1:

if(num<=30)

console.log("The student is fail")

break;

case 2:

if((num>30)&&(num<=60))

console.log("The student is passed and has got grade C")

break;

case 3:

if((num>60)&&(num<=90))

console.log("The student is passed and has got grade B")

break;

default:

console.log("The student is passed and has got grade A")

break;

}