**1. Check Even or Odd**

Write a program that takes an integer input and prints whether the number is even or odd.

🧪 **Input Example:** 4  
✅ **Output Example:** Even

TERNARY operator------

        let num=2

        let res=(num%2==0)?`${num} is even`:`${num} is odd`;

        console.log(res);

        FOR LOOP------

        let num = 2

        if (num % 2 == 0) {

            console.log(`${num} is even`);

        }

        else {

            console.log(`${num} is odd`);

        }

        FUNCTION-------

        function check(num) {

            if (num % 2 == 0) {

                console.log(`${num} is even`);

            }

            else {

                console.log(`${num} is odd`);

            }

        }

        check(2)

        SWITCH CASE-------

        let num=2

        switch(num%2==0){

            case true:console.log(`${num} is even`)

            break;

            case false:console.log(`${num} is odd`)

            break;

        }

**2. Check Voting Eligibility**

Write a program that asks the user for their age and prints whether they are eligible to vote (age ≥ 18).

🧪 **Input Example:** 16  
✅ **Output Example:** Not eligible to vote

TERNARY OPERATOR------

        let age = 16;

        let res = (age >= 18) ? `Age-${age} is eligible to vote` : `Age-${age} not eligible to vote`

        console.log(res);

        IF CONDITION---------

        let age = 16;

        if(age>=18){

            console.log(`Age-${age} is eligible to vote`);

        }

        else{

            console.log(`Age-${age} not eligible to vote`);

        }

        FUNCTION---------

        function elg(age) {

            if (age >= 18) {

                console.log(`Age-${age} is eligible to vote`);

            }

            else {

                console.log(`Age-${age} not eligible to vote`);

            }

        }

        elg(16)

        SWITCH CASE-----------

        let age=16;

        switch(age>=18){

            case true:console.log(`Age-${age} is eligible to vote`)

            break;

            case false:console.log(`Age-${age} not eligible to vote`)

        }

**3. Find the Greatest of Two Numbers**

Take two numbers from the user and print which one is greater.

🧪 **Input Example:** 5, 9  
✅ **Output Example:** 9 is greater

TERNARY OPERATOR------

        let num1 = 5;

        let num2 = 9;

        let res = (num1 > num2) ? `${num1} is greater` : `${num2} is greater`;

        console.log(res);

        IF CONDITION------

        let num1 = 5;

        let num2 = 9;

        if (num1 > num2) {

            console.log(`${num1} is greater`);

        }

        else {

            console.log(`${num2} is greater`);

        }

        FUNCTION------

        function large(num1, num2) {

            if (num1 > num2) {

                console.log(`${num1} is greater`);

            }

            else {

                console.log(`${num2} is greater`);

            }

        }

        large(5,9)

        SWITCH CASE------

        let num1 = 5;

        let num2 = 9;

        switch(num1>num2){

            case true:console.log(`${num1} is greater`)

            break;

            case false:console.log(`${num2} is greater`)

        }

**🔶 Medium Level Questions (2)**

**4. Grading System**

Write a program that takes a student's marks (0–100) and prints the grade based on the following:

* 90-100: A
* 80-89: B
* 70-79: C
* 60-69: D
* <60: F

🧪 **Input Example:** 85  
✅ **Output Example:** Grade: B

TERNARY OPERATOR------

        let score = 85;

        let res = (score >= 90) ? `${score}-A` :

            (score >= 80) ? `${score}-B` :

                (score >= 70) ? `${score}-C` :

                    (score >= 60) ? `${score}-D` : `${score}-F`

        console.log(res);

        IF CONDITION------

        let score = 85;

        if (score >= 90){

            console.log(`${score}-A` );

        }

        else if(score>=80){

            console.log(`${score}-B` );

        }

        else if(score>=70){

            console.log(`${score}-C` );

        }

        else if(score>=60){

            console.log(`${score}-D` );

        }

        else{

            console.log(`${score}-f` );

        }

        FUNCTION------

        function check(score) {

            if (score >= 90) {

                console.log(`${score}-A`);

            }

            else if (score >= 80) {

                console.log(`${score}-B`);

            }

            else if (score >= 70) {

                console.log(`${score}-C`);

            }

            else if (score >= 60) {

                console.log(`${score}-D`);

            }

            else {

                console.log(`${score}-f`);

            }

        }

        check(85)

        SWITCH CASE------

        let marks = 85;

        let grade;

        switch (Math.floor(marks / 10)) {

            case 10:

            case 9:

                grade = 'A';

                break;

            case 8:

                grade = 'B';

                break;

            case 7:

                grade = 'C';

                break;

            case 6:

                grade = 'D';

                break;

            default:

                grade = 'F';

        }

        console.log("Grade:", grade);

**5. Leap Year Checker**

Write a program that checks if a given year is a leap year.

* A year is a leap year if:
  + Divisible by 4 **and not by 100**, **or**
  + Divisible by 400

🧪 **Input Example:** 2020  
✅ **Output Example:** Leap year

Js task

Create a simple web page with a button. When the user clicks the button, display a message below the button without reloading the page.

let btn=document.createElement("button")

        btn.innerHTML="click me"

        btn.addEventListener("click",()=>{

            para=document.createElement("p")

            para.innerText="botton clicked";

            document.body.append(para)

            event.preventDefault()

        })

        document.body.append(btn)

Sql :

<https://sqlpd.com/?utm_source=chatgpt.com>

dialy one task in this website