WEB 10

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Q1)

<!DOCTYPE html>

<html>

<head>

<title>Mathematical Operations</title>

</head>

<body>

<script>

// Function to perform addition

function addition() {

const num1 = parseFloat(prompt("Enter the first number:"));

const num2 = parseFloat(prompt("Enter the second number:"));

const result = num1 + num2;

alert("Addition: " + result);

}

// Function to perform subtraction

function subtraction() {

const num1 = parseFloat(prompt("Enter the first number:"));

const num2 = parseFloat(prompt("Enter the second number:"));

const result = num1 - num2;

alert("Subtraction: " + result);

}

// Function to perform division

function division() {

const num1 = parseFloat(prompt("Enter the first number:"));

const num2 = parseFloat(prompt("Enter the second number:"));

const result = num1 / num2;

alert("Division: " + result);

}

// Function to perform multiplication

function multiplication() {

const num1 = parseFloat(prompt("Enter the first number:"));

const num2 = parseFloat(prompt("Enter the second number:"));

const result = num1 \* num2;

alert("Multiplication: " + result);

}

// Call the functions based on user input

const operation = prompt("Enter the operation (add, sub, div, mul):");

switch (operation) {

case 'add':

addition();

break;

case 'sub':

subtraction();

break;

case 'div':

division();

break;

case 'mul':

multiplication();

break;

default:

alert("Invalid operation");

break;

}

</script>

</body>

</html>

Q2)

<!DOCTYPE html>

<html>

<head>

<title>Year of Birth from NIC</title>

</head>

<body>

<script>

function getYearOfBirth() {

const nicNumber = prompt("Enter the NIC number:");

const yearOfBirth = nicNumber.substring(0, 2);

const currentYear = new Date().getFullYear();

const century = Math.floor(currentYear / 100);

const fullYear = (century - 1) + yearOfBirth;

alert("Year of Birth: " + fullYear);

}

getYearOfBirth();

</script>

</body>

</html>