

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>