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### Tute 10

1.	<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;  &lt;/head&gt; &lt;body&gt;   &lt;button onclick="performOperations()"&gt;Perform Mathematical Operations&lt;/button&gt;   &lt;script&gt;     function performOperations() {       const num1 = parseFloat(prompt("Enter the first number:"));       const num2 = parseFloat(prompt("Enter the second number:"));        if (!isNaN(num1) &amp;&amp; !isNaN(num2)) {         const addition = num1 + num2;         const subtraction = num1 - num2;         const multiplication = num1 * num2;         const division = num1 / num2;          alert(`Addition: \${addition}\nSubtraction: \${subtraction}\nMultiplication: \${multiplication}\nDivision: \${division}`);       } else {         alert("Invalid input!");       }     }   &lt;/script&gt; &lt;/body&gt; &lt;/html&gt;</pre>
2.	<pre>&lt;!DOCTYPE html&gt; &lt;html&gt;</pre>

```
<head>

</head>
<body>
  <button onclick="extractYearOfBirth()">Extract the Year of
Birth</button>
  <script>
function extractYearOfBirth() {
  var nicNumber = prompt("Enter the student's NIC number:");

  if (/^\d{12}$/.test(nicNumber)) {
    var birthYear = nicNumber.substring(0, 4);

    alert(`Year of Birth: ${birthYear}`);
  } else {
    alert("Invalid NIC number! Please enter a valid 12-digit NIC
number.");
  }
}
  </script>
</body>
</html>
```