****

Class: SY-MCA   **Shift / Div:** A   **Batch:** S2   **Roll Number:** 52043

Name: Vanessa Reetu Prashant More   **Tutorial** ; 2   **Subject:** Web Technology

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Q. Design HTML form for fixed deposit scheme. Take suitable fields. Using JS check any 4 elements for validation.

Code:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Fixed Deposit Application</title>
</head>
<body>
    <h1><center>Fixed Deposit Application</center></h1>
    <form id="fdForm" onsubmit="return validateForm()">
        <label for="name">Full Name:</label>
        <input type="text" id="name" name="name" required><br><br>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required><br><br>

        <label for="accountNumber">Account Number:</label>
        <input type="text" id="accountNumber" name="accountNumber" required><br><br>

        <label for="birthdate">Date of Birth:</label>
        <input type="date" id="birthdate" name="birthdate" required><br><br>

        <label for="amount">Deposit Amount (in INR):</label>
        <input type="number" id="amount" name="amount" required><br><br>

        <label for="duration">Deposit Duration (in months):</label>
        <input type="number" id="duration" name="duration" required><br><br>

        <button type="submit">Submit</button>
    </form>

    <script>
        function validateForm() {
            const name = document.getElementById("name").value;
            const email = document.getElementById("email").value;
            const accountNumber = document.getElementById("accountNumber").value;
            const birthdate = new Date(document.getElementById("birthdate").value);
            const amount = parseFloat(document.getElementById("amount").value);
            const duration = parseInt(document.getElementById("duration").value);

            const emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
```

```javascript
        const today = new Date();
        const eighteenYearsAgo = new Date();
        eighteenYearsAgo.setFullYear(today.getFullYear() - 18);

        if (!name) {
          alert("Please enter your full name.");
          return false;
        }

        if (!email.match(emailPattern)) {
          alert("Please enter a valid email address.");
          return false;
        }

        if (accountNumber.length !== 10 || isNaN(accountNumber)) {
          alert("Account number must be exactly 10 digits.");
          return false;
        }

        if (birthdate >= eighteenYearsAgo) {
          alert("You must be 18 years or older to apply.");
          return false;
        }

        if (isNaN(amount) || amount <= 0) {
          alert("Please enter a valid deposit amount.");
          return false;
        }

        if (isNaN(duration) || duration <= 0) {
          alert("Please enter a valid deposit duration.");
          return false;
        }

        alert("Form submitted successfully!");

        return true;
      }
    </script>
  </body>
</html>
```

Output:

Fixed Deposit Application

Full Name: [   ]
Email: [acd] ⚠ Please fill out this field.
Account Number: [1234567890]
Date of Birth: [23-08-2000]
Deposit Amount (in INR): [24000]
Deposit Duration (in months): [3]
[Submit]

Fixed Deposit Application

Full Name: [vanessa more]
Email: [acdaf.mail.com]
⚠ Please include an '@' in the email address. 'acdaf.mail.com' is missing an '@'.
Date of Birth: [23-08-2000]
Deposit Amount (in INR): [24000]
Deposit Duration (in months): [3]
[Submit]

192.168.73.127:5500 says
Account number must be exactly 10 digits
[OK]

Fixed Deposit Application

Full Name: [vanessa more]
Email: [acdaf@mail.com]
Account Number: [123456]
Date of Birth: [23-08-2000]
Deposit Amount (in INR): [24000]
Deposit Duration (in months): [3]
[Submit]

192.168.73.127:5500 says
Please enter a valid deposit amount.
[OK]

Fixed Deposit Application

Full Name: [vanessa more]
Email: [acdaf@mail.com]
Account Number: [1234567890]
Date of Birth: [23-08-2000]
Deposit Amount (in INR): [-111]
Deposit Duration (in months): [3]
[Submit]

192.168.73.127:5500 says
Please enter a valid deposit duration.
[OK]

Fixed Deposit Application

Full Name: [vanessa more]
Email: [acdaf@mail.com]
Account Number: [1234567890]
Date of Birth: [23-08-2000]
Deposit Amount (in INR): [24000]
Deposit Duration (in months): [-2]
[Submit]

192.168.73.127:5500 says
Form submitted successfully!
[OK]

Fixed Deposit Application

Full Name: [vanessa more]
Email: [acdaf@mail.com]
Account Number: [1234567890]
Date of Birth: [23-08-2000]
Deposit Amount (in INR): [24000]
Deposit Duration (in months): [3]
[Submit]