

JAVA SCRIPT

Exercise: - Create Age Calculator Web page using HTML, CSS and Java Script. Also display the age category of user.

INSTRUCTION: -

- Uses if-else conditional statements to categorize the user:
 - **Child** (0-12 years)
 - **Teenager** (13-19 years)
 - **Adult** (20-59 years)
 - **Senior Citizen** (60+ years)
- Use `<input type="date">` to enter the date of birth of user

Code: -

```
1. <!DOCTYPE html>
2. <html>
3. <head>
4.     <title>Age Calculator</title>
5.     <style>
6.         body
7.     {
8.         font-family: Arial, sans-serif;
9.         text-align: center;
10.        margin: 50px;
11.    }
12.        input, button, select
13.    {
14.        margin: 10px;
15.        padding: 10px;
16.        font-size: 16px;
17.    }
18.    </style>
19. </head>
20. <body>
21.     <h2>Age Category Checker & Calculator</h2>
22.     <p>Enter your age or date of birth to find out your category:</p>
23.
24.     <form id="ageForm">
25.         <label for="age">Enter Age:</label>
26.         <input type="number" id="age" placeholder="Enter your age" required>
27.         <br>
28.         <button type="button" onclick="checkAgeCategory()">Check Category</button>
29.     </form>
30.
31.     <h3>Result: <span id="result">?</span></h3>
32.
33.     <h2>Calculate Age from Date of Birth</h2>
34.     <form id="dobForm">
35.         <label for="dob">Enter Date of Birth:</label>
36.         <input type="date" id="dob" required>
37.         <br>
38.         <button type="button" onclick="calculateAge()">Calculate Age</button>
39.     </form>
40.
```

```
41.     <h3>Your Age: <span id="calculatedAge">?</span></h3>
42.
43.     <script type="text/javascript">
44.         function checkAgeCategory()
45.     {
46.         let age = parseInt(document.getElementById('age').value);
47.         let category;
48.         if (isNaN(age) || age < 0)
49.     {
50.         category = 'Please enter a valid age';
51.     }
52.     else if (age >= 0 && age <= 12)
53.     {
54.         category = 'Child';
55.     }
56.     else if (age >= 13 && age <= 19)
57.     {
58.         category = 'Teenager';
59.     }
60.     else if (age >= 20 && age <= 59)
61.     {
62.         category = 'Adult';
63.     }
64.     else
65.     {
66.         category = 'Senior Citizen';
67.     }
68.
69.     document.getElementById('result').innerText = category;
70. }
71. function calculateAge()
72. {
73.     let dob = document.getElementById('dob').value;
74.     if (!dob)
75.     {
76.         document.getElementById('calculatedAge').innerText = 'Please enter a valid
date of birth';
77.         return;
78.     }
79.     let dobDate = new Date(dob);
80.     let today = new Date();
81.     let age = today.getFullYear() - dobDate.getFullYear();
82.     let monthDiff = today.getMonth() - dobDate.getMonth();
83.
84.     if (monthDiff < 0 || (monthDiff === 0 && today.getDate() < dobDate.getDate()))
85.     {
86.         age--;
87.     }
88.     document.getElementById('calculatedAge').innerText = age;
89. }
90.     </script>
91. </body>
92. </html>
93.
```