

PRACTICAL LAB RECORD - IWI OUTPUT

UNIT - 1

1. Create a basic HTML web page using headings, paragraphs, and text formatting tags

The screenshot shows a Microsoft Edge browser window. The title bar says "My First Web Page". The address bar shows the file path: "C:/Users/pc/Desktop/BCA%201B/KU%20RUCHI%20CHHURA%20ERP%20RU-25-10709/program1.html". The main content area displays the following HTML code:

```
<html>
<head>
<title>Welcome to My Web Page</title>
</head>
<body>
<h2>About Me</h2>
<p>Hello! My name is KU RUCHI CHHURA and I love learning web development.</p>
<p>I enjoy reading books, watching movies, and coding.</p>
<h2>My Favorite programming languages</h2>
<p>My favorite programming languages are C/C++, Java, and Html.</p>
<h2>Contact Me</h2>
<p>You can reach me at: ruchi@example.com</p>
</body>

```

The browser's status bar at the bottom shows "Ln 1, Col 1 Spaces: 4 UTF-8 CRLF {} HTML 13:44 ENG US 05-11-2025".

2. Design a webpage demonstrating HTML links, images, and lists (ordered, unordered, nest)

The screenshot shows a Microsoft Edge browser window. The title bar says "HTML Links, Images and Lists". The address bar shows the file path: "C:/Users/pc/Desktop/BCA%201B/KU%20RUCHI%20CHHURA%20ERP%20RU-25-10709/program1.html". The main content area displays the following HTML code:

```
<html>
<head>
<title>HTML Links, Images and Lists Example</title>
</head>
<body>
<h2>Links</h2>
<ul>
<li><a href="https://www.wikipedia.org">Wikipedia</a></li>
<li><a href="https://www.google.com">Google</a></li>
<li><a href="https://www.nationalgeographic.com">National Geographic</a></li>
</ul>
<h2>Image</h2>
<img alt="A scenic view of a lake surrounded by mountains and greenery." data-bbox="200 690 325 805"/>
<h2>Lists</h2>
<h3>Unordered List</h3>
<ul>
<li>Apple</li>
<li>Banana</li>
<li>Cherry</li>
</ul>
<h3>Ordered List</h3>
<ol>
<li>Apple</li>
<li>Banana</li>
<li>Cherry</li>
</ol>
</body>

```

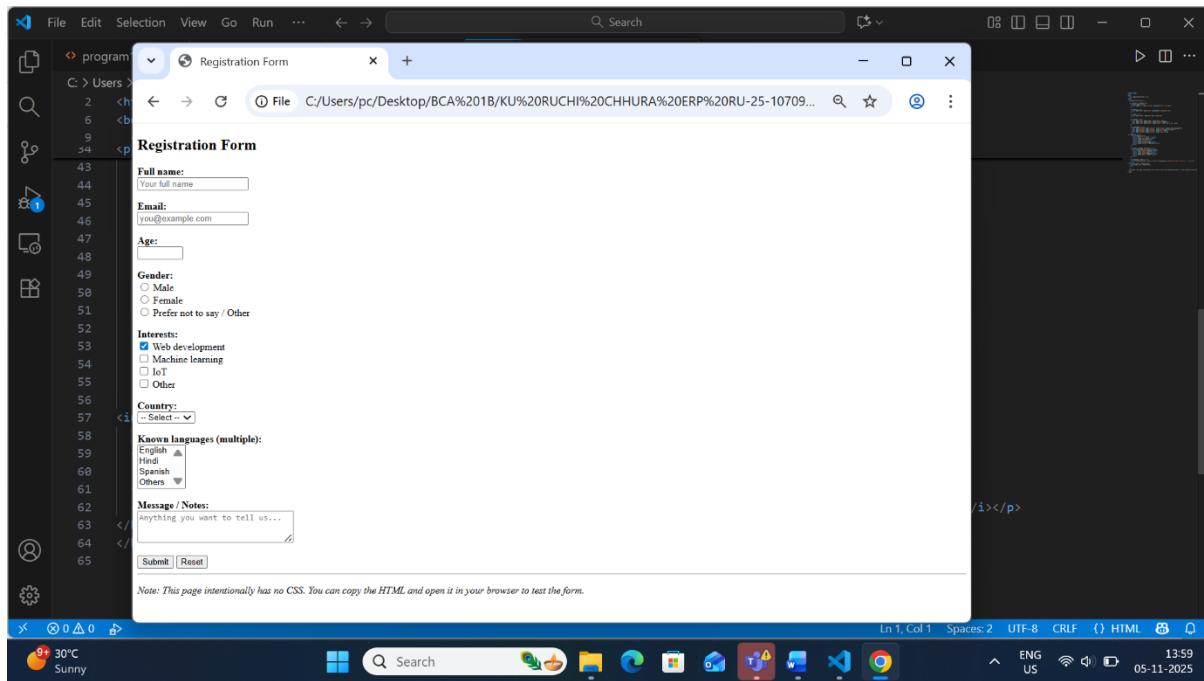
The browser's status bar at the bottom shows "Ln 1, Col 1 Spaces: 4 UTF-8 CRLF {} HTML 13:54 ENG US 05-11-2025".

```
<File Edit Selection View Go Run ... <- > Search
C: > Users > program > HTML Links, Images and Lists > + File C:/Users/pc/Desktop/BCA%201B/KU%20RUCHI%20CHHURA%20ERP%20RU-25-10709...
27 <h1>HTML Links, Images and Lists</h1>
28 <img alt="A scenic view of a lake surrounded by green mountains." data-bbox="200 140 325 260"/>
29 <h2>Lists</h2>
30 <h3>Unordered List</h3>
31 <ul style="list-style-type: none;">
32 <li>• Apple</li>
33 <li>• Banana</li>
34 <li>• Cherry</li>
35 <h3>Ordered List</h3>
36 <ol style="list-style-type: none;">
37 <li>1. Wake up</li>
38 <li>2. Brush teeth</li>
39 <li>3. Go to school</li>
40 <h3>Nested List</h3>
41 <ul style="list-style-type: none;">
42 <li>• Continents
43 <ul style="list-style-type: none;">
44 <li>1. Asia</li>
45 <li>2. Europe</li>
46 <li>3. Africa</li>
47 </ul>
48 </ul>
49 <h2>RSDC Club Allotment - BCA 1B</h2>
50 <table border="1">
51 <thead>
52 <tr>
53 <th>Name</th>
54 <th>Class</th>
55 <th colspan="2">RSDC Clubs</th>
56 </tr>
57 </thead>
58 <tbody>
59 <tr>
60 <td>Aarav Mehta</td>
61 <td>BCA 1B</td>
62 <td>Carpediem</td>
63 <td>RAG</td>
64 </tr>
65 <tr>
66 <td></td>
67 <td></td>
68 <td>Toastmasters</td>
69 <td>Infinity Coders</td>
70 </tr>
71 <tr>
72 <td>Neha Sharma</td>
73 <td>BCA 1B</td>
74 <td>Radiction</td>
75 <td>Ruby</td>
76 </tr>
77 <tr>
78 <td></td>
79 <td></td>
80 <td>Carpediem</td>
81 <td>RAG</td>
82 </tr>
83 <tr>
84 <td>Rohan Patel</td>
85 <td>BCA 1B</td>
86 <td>Infinity Coders</td>
87 <td>Radiction</td>
88 </tr>
89 <tr>
90 <td></td>
91 <td></td>
92 <td>Ruby</td>
93 <td>Carpediem</td>
94 </tr>
95 </tbody>
96 </table>
97 <pre>Ln 41, Col 28 Spaces: 4 UTF-8 CRLF () HTML <img alt="Windows taskbar icons" data-bbox="325 375 685 385"/> 13:54 ENG US 05-11-2025</pre>
```

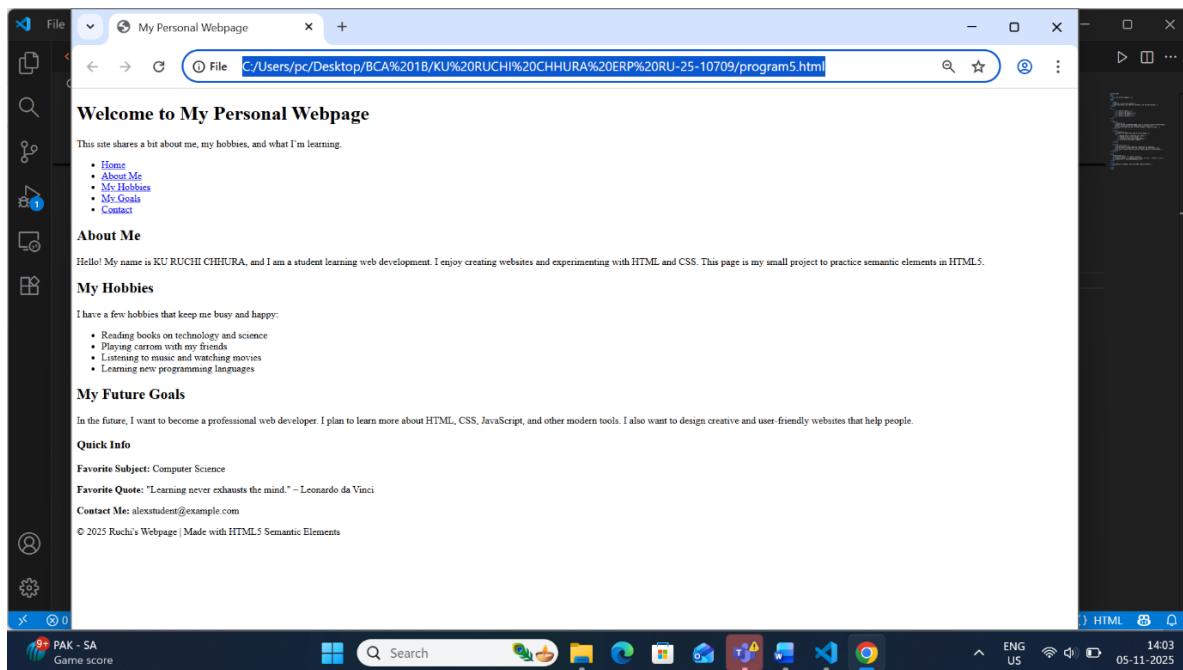
3.Create a table-based layout with merged cells, alignment, and caption using HTML

```
<File Edit Selection View Go Run ... <- > Search
C: > Users > program > RSDC Club Allotment > + File C:/Users/pc/Desktop/BCA%201B/KU%20RUCHI%20CHHURA%20ERP%20RU-25-10709...
35 <h2>RSDC Club Allotment - BCA 1B</h2>
36 <table border="1">
37 <thead>
38 <tr>
39 <th>Name</th>
40 <th>Class</th>
41 <th colspan="2">RSDC Clubs</th>
42 </tr>
43 </thead>
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58 <td>Neha Sharma</td>
59 <td>BCA 1B</td>
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61 <td>Ruby</td>
62 </tr>
63 <tr>
64 <td></td>
65 <td></td>
66 <td>Carpediem</td>
67 <td>RAG</td>
68 </tr>
69 <tr>
70 <td>Rohan Patel</td>
71 <td>BCA 1B</td>
72 <td>Infinity Coders</td>
73 <td>Radiction</td>
74 </tr>
75 <tr>
76 <td></td>
77 <td></td>
78 <td>Ruby</td>
79 <td>Carpediem</td>
80 </tr>
81 </tbody>
82 </table>
83 <pre>Ln 37, Col 8 Spaces: 2 UTF-8 CRLF () HTML <img alt="Windows taskbar icons" data-bbox="325 765 685 775"/> 13:56 ENG US 05-11-2025</pre>
```

4. Design a webpage with an HTML form having text input, radio buttons, checkboxes, select menus, and submit/reset buttons

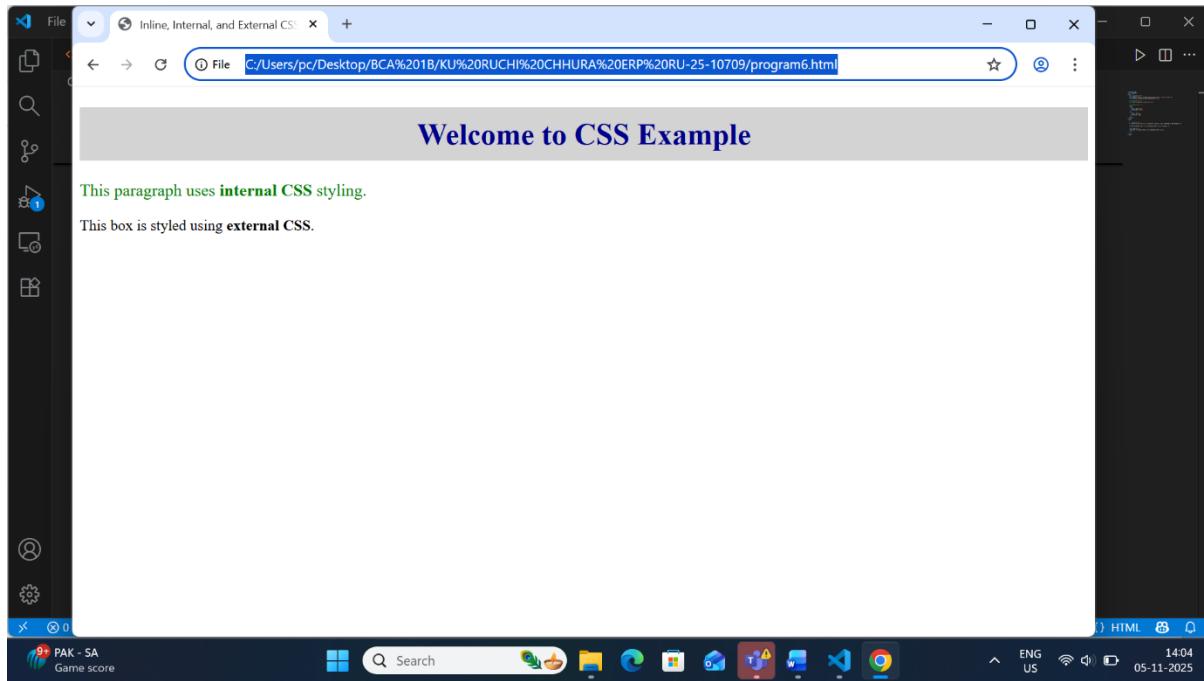


5. Use semantic elements (<article>, <section>, <nav>, <aside>, <footer>) to build a structured web page.

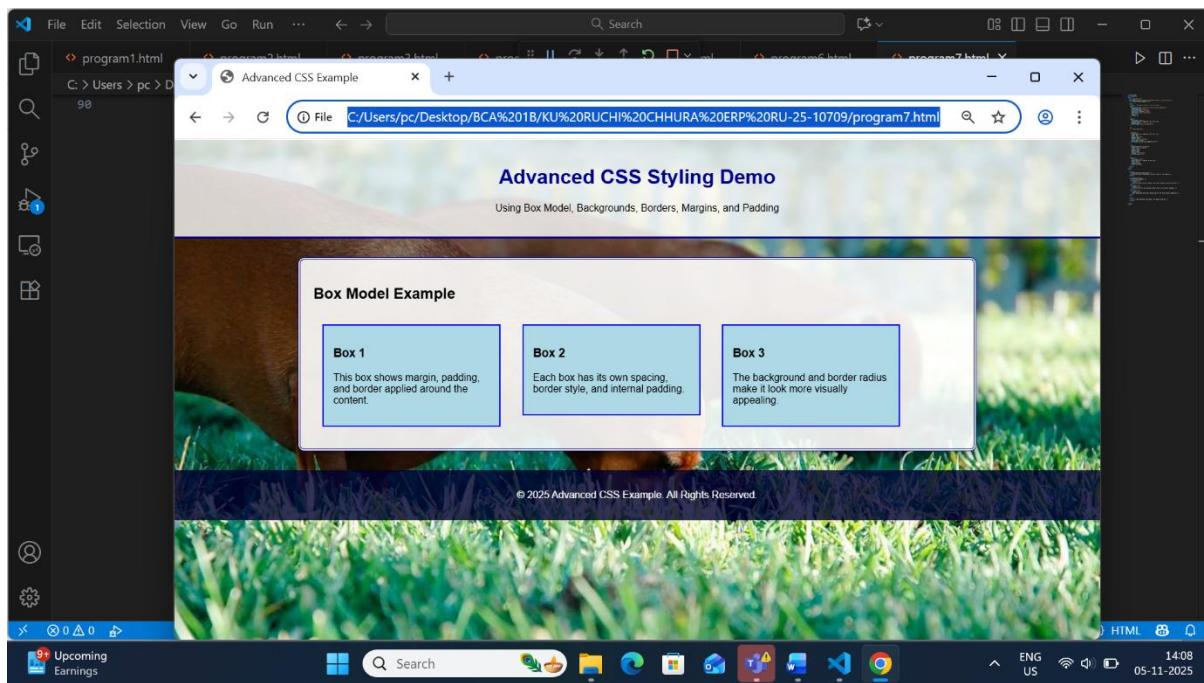


UNIT-2

6. Apply Inline, Internal, and External CSS styles to HTML elements



7. Style a web page using advanced CSS: Box Model, background images, borders, margins, and padding



8. Demonstrate the use of different CSS selectors (class, id, descendant, group, universal)

A screenshot of a code editor window titled "CSS Selectors Example". The file being edited is "program8.html". The code demonstrates various CSS selectors:

```
C: > Users > pc > Desktop > program8.html
  2   <html>
  3     <head>
  4       <style>
  5         h2,
  6         .class,
  7         #id,
  8         .descendant {
  9           color: red;
 10         }
 11       </style>
 12     </head>
 13     <body>
 14       <h1 id="main">Welcome to CSS Selectors</h1>
 15       <h2>Class Selector Example</h2>
 16       <p>This paragraph uses a class selector.</p>
 17       <div>
 18         <h2>Descendant Selector Example</h2>
 19         <p>This paragraph is inside a div (descendant selector).</p>
 20         <p>This paragraph is outside the div.</p>
 21       </div>
 22     </body>
 23   </html>
```

The browser preview shows the heading "Welcome to CSS Selectors" in red. Below it, the heading "Class Selector Example" is shown in black. A paragraph below it is also in black. The heading "Descendant Selector Example" is shown in black, followed by two paragraphs: one inside a red-bordered box and one outside it.

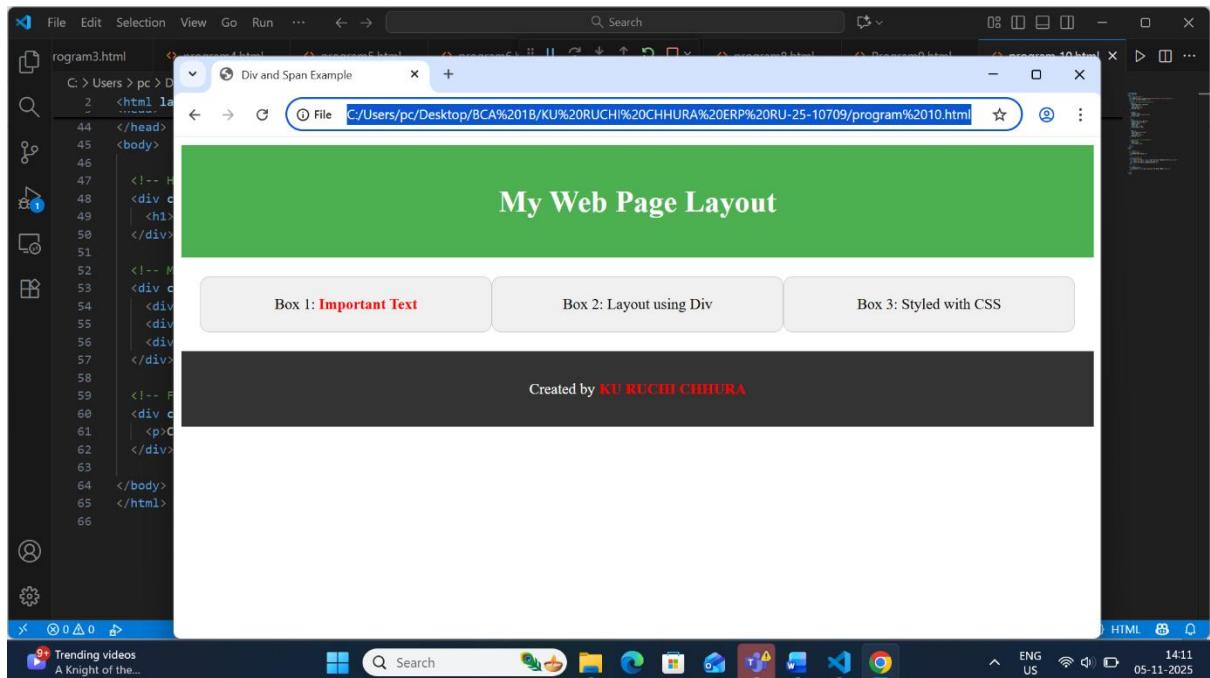
9. Create a responsive web page using media queries and mobile-first design with flexible units

A screenshot of a code editor window titled "Responsive Web Page". The file being edited is "Program9.html". The code includes a media query and a three-column layout:

```
DOCTYPE html>
  <html lang="en">
    <head>
      <meta charset="UTF-8">
      <meta name="viewport" content="width=device-width, initial-scale=1.0">
      <title>Responsive Web Page</title>
      <style>
        body {
          font-family: Arial, sans-serif;
          margin: 0;
          padding: 0;
        }
        .grid {
          display: grid;
          grid-template-columns: 1fr 1fr 1fr;
          grid-template-rows: 1fr 1fr;
          height: 100vh;
        }
        .grid > div {
          background-color: #f0f0f0;
          padding: 10px;
          border-radius: 10px;
        }
        @media (max-width: 600px) {
          .grid {
            grid-template-columns: 1fr;
            grid-template-rows: 1fr 1fr 1fr;
          }
        }
      </style>
    </head>
    <body>
      <div class="grid">
        <div>Box 1 - Mobile First</div>
        <div>Box 2 - Media Queries</div>
        <div>Box 3 - Flexible Units</div>
      </div>
    </body>
  </html>
```

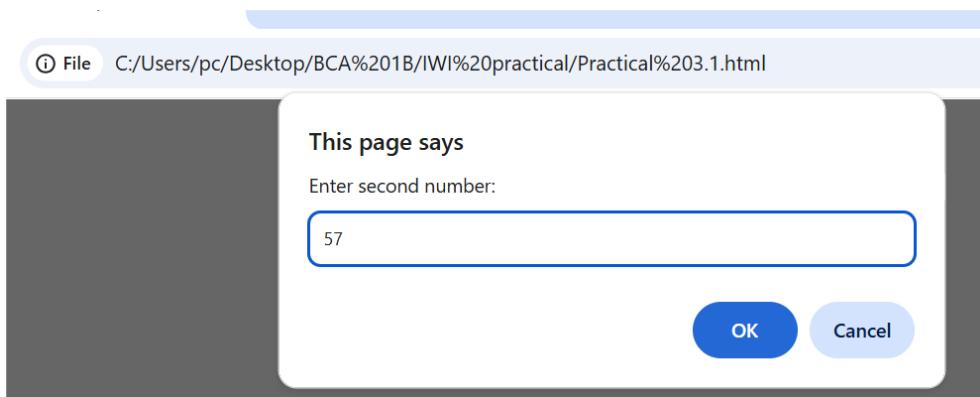
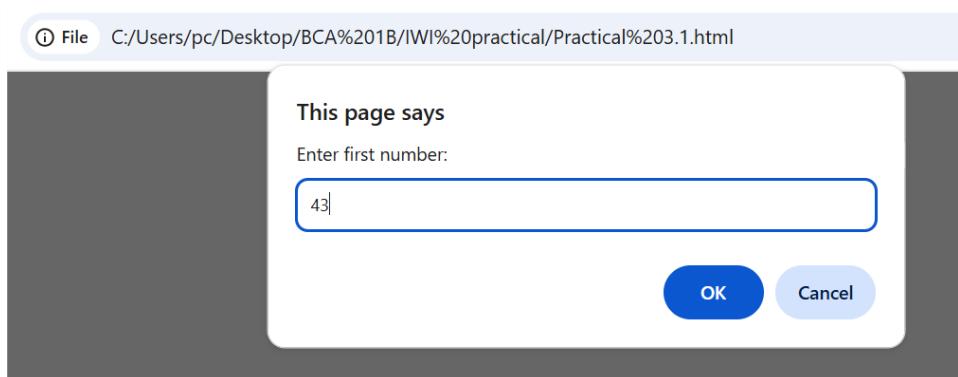
The browser preview shows a green header bar with the title "Responsive Web Page". Below it, there are three white boxes with rounded corners and shadows, labeled "Box 1 - Mobile First", "Box 2 - Media Queries", and "Box 3 - Flexible Units".

10. Use div and span elements for layout and apply styling with CSS



UNIT – 3

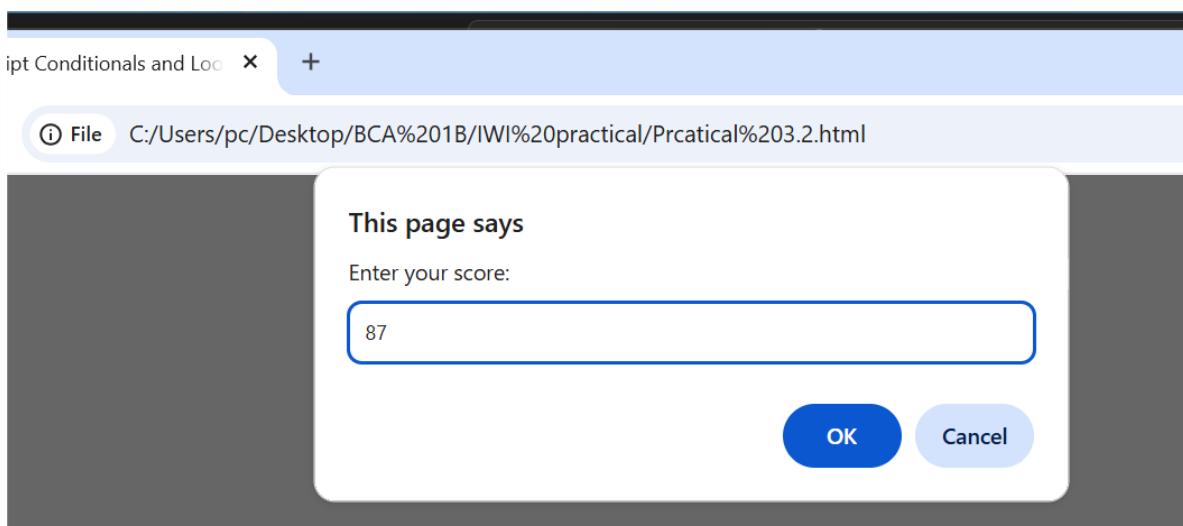
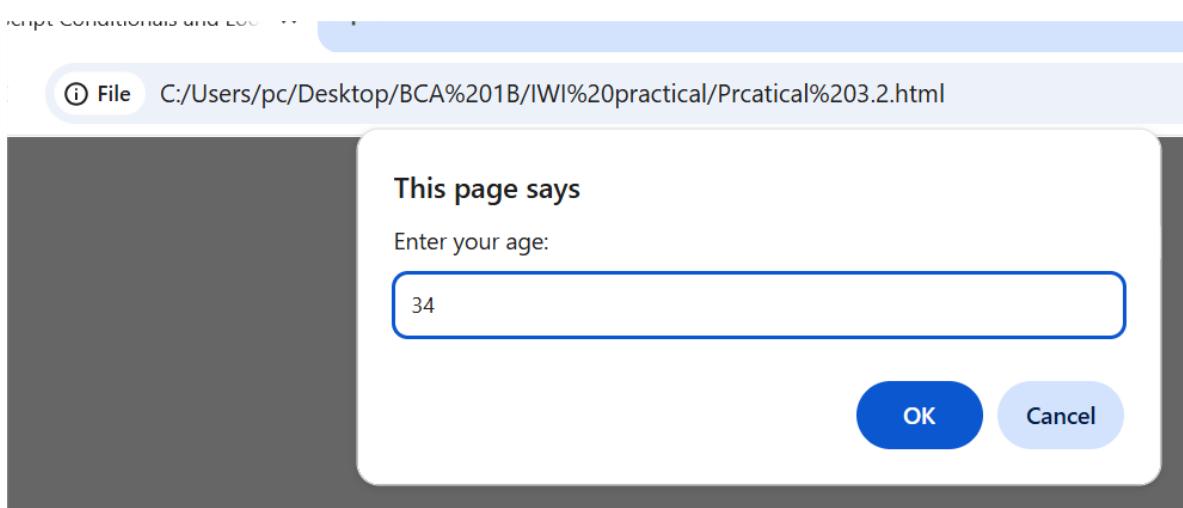
11. Create a javascript -enabled web page that performs basic arithmetic operations using input from users



Basic arithmetic operation

Sum: 100
Difference: -14
Multiplication: 2451
Division: 0.7543859649122807

12. Write a Javascript to demonstrate conditional statements and looping (for, while, do...while)



```
--- IF STATEMENT ---
You are an adult
--- FOR LOOP ---
For loop iteration1
For loop iteration2
For loop iteration3
For loop iteration4
For loop iteration5
--- WHILE LOOP ---
While loop iteration: 1
While loop iteration: 2
While loop iteration: 3
While loop iteration: 4
While loop iteration: 5
--- DO...WHILE LOOP ---
Do...while loop iteration: 1
Do...while loop iteration: 2
Do...while loop iteration: 3
Do...while loop iteration: 4
Do...while loop iteration: 5
--- IF...ELSE IF...ELSE ---
Grade: B
```

13. Create and invoke user-defined functions in Javascript , use var, let, and const for scope demonstration.

```
Name: Ruchi
Age: 18
College: Rungta University
```

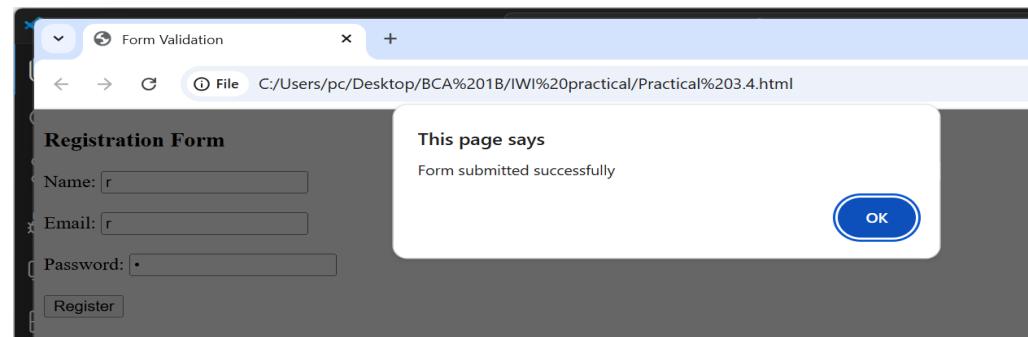
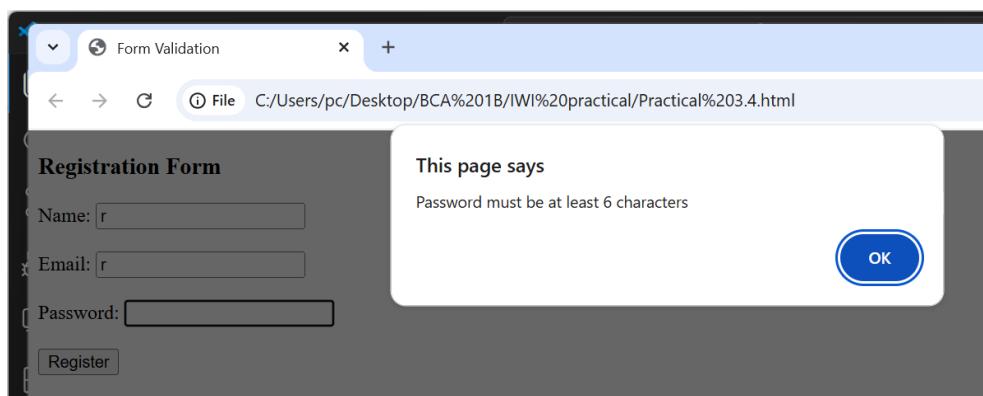
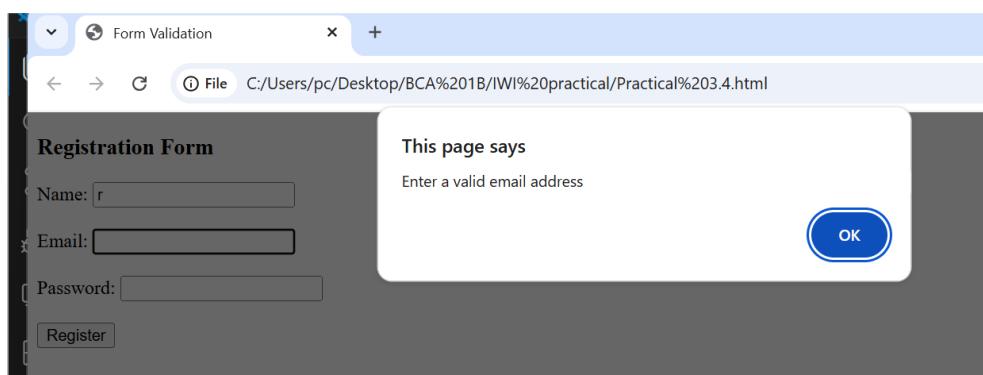
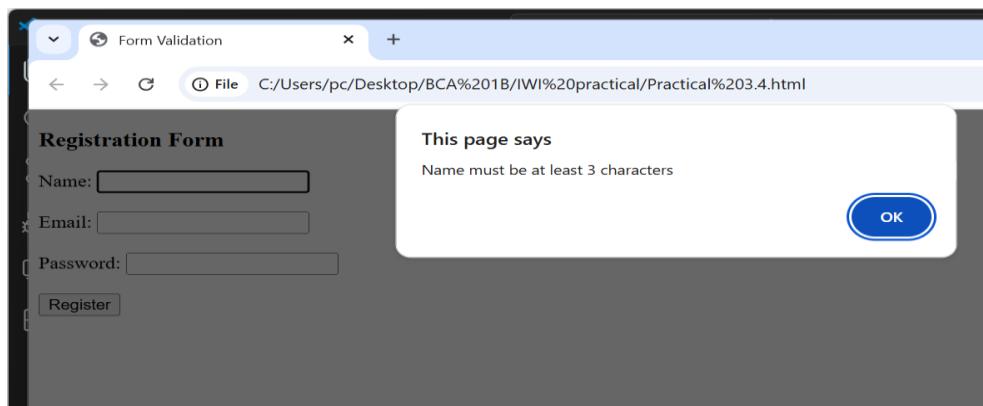
14.Handle HTML form validation using Javascript events like onsubmit , oninput , and use alert () for feedback.

Registration Form

Name:

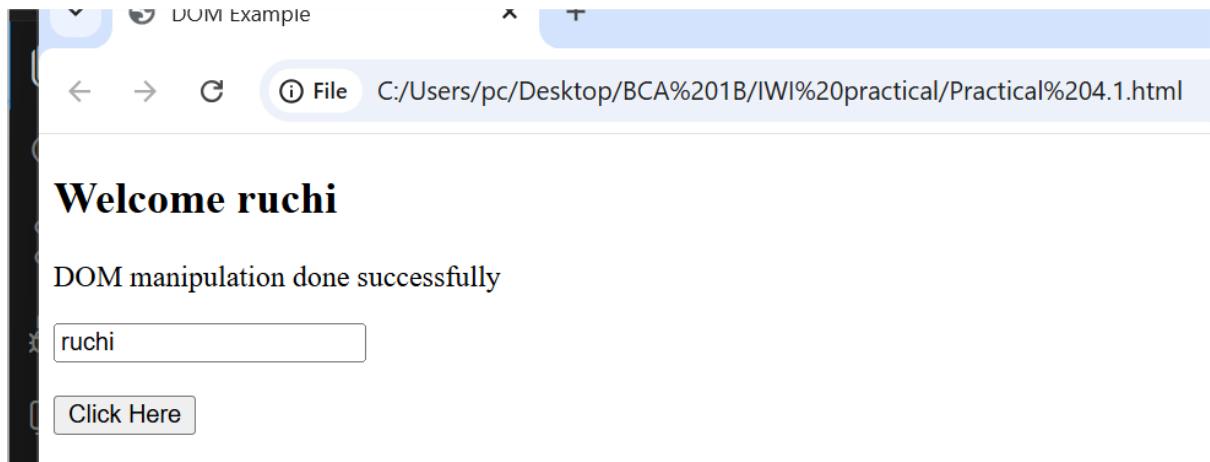
Email:

Password:

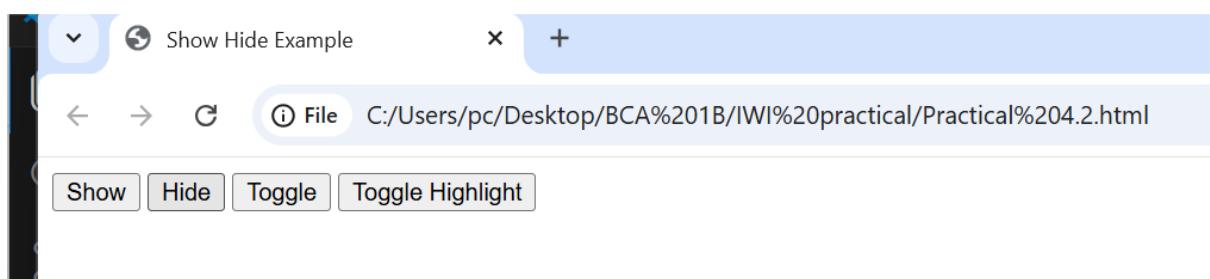
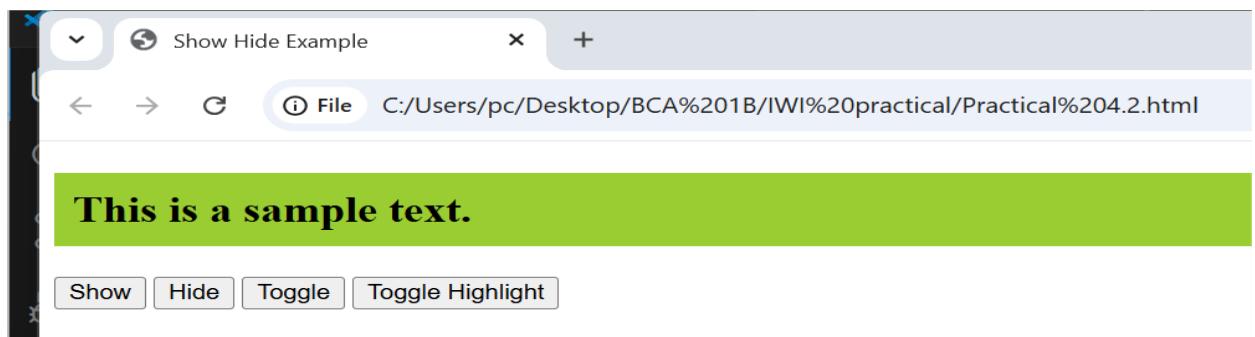


UNIT-4

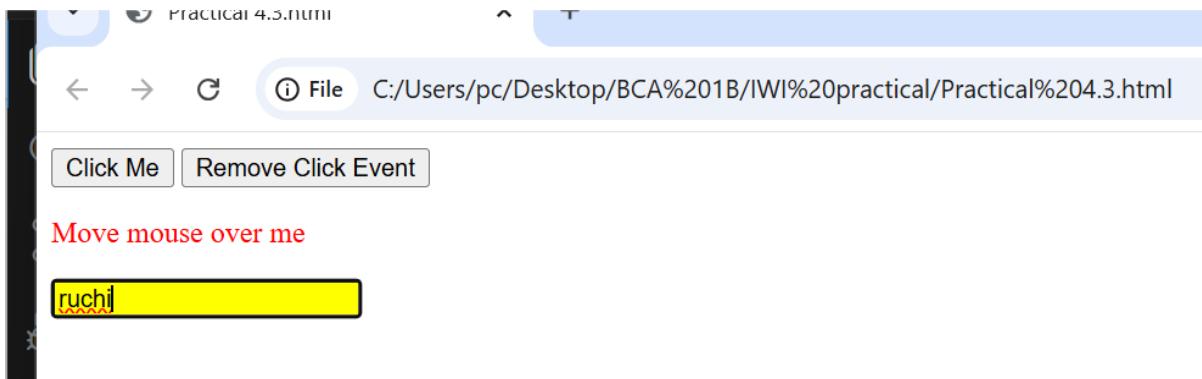
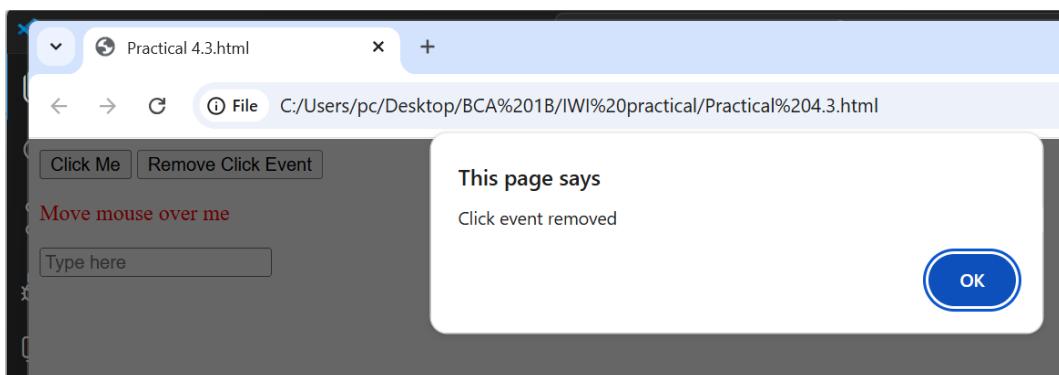
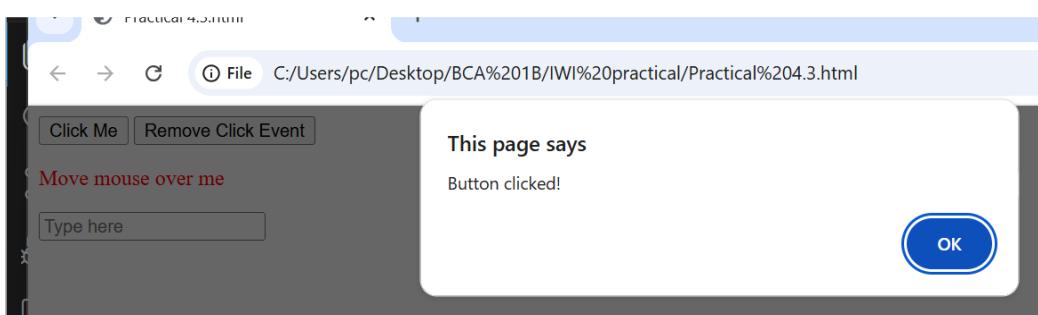
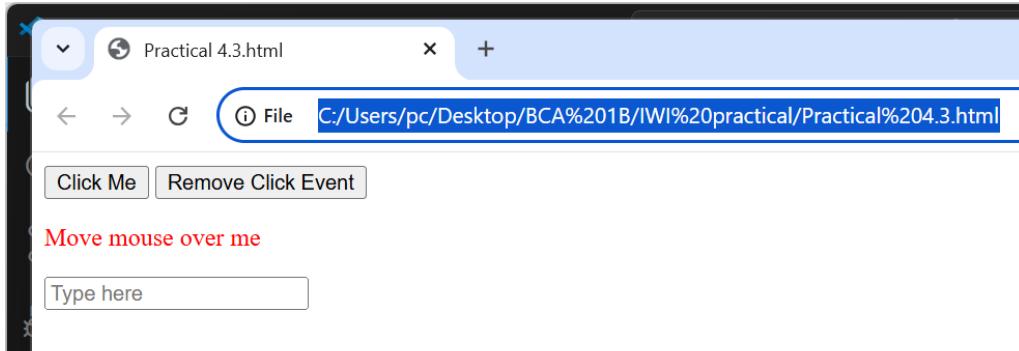
15. Demonstrate DOM manipulation using `getElementById()`, `querySelector()`, `innerHTML`



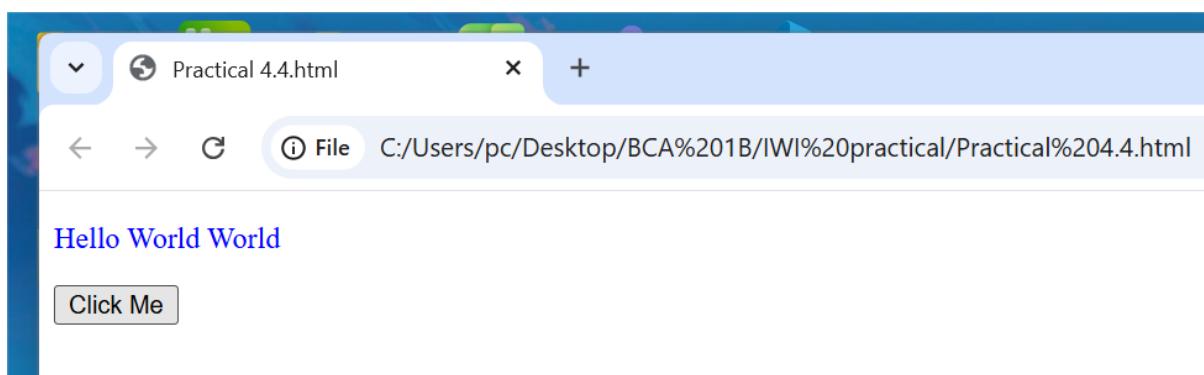
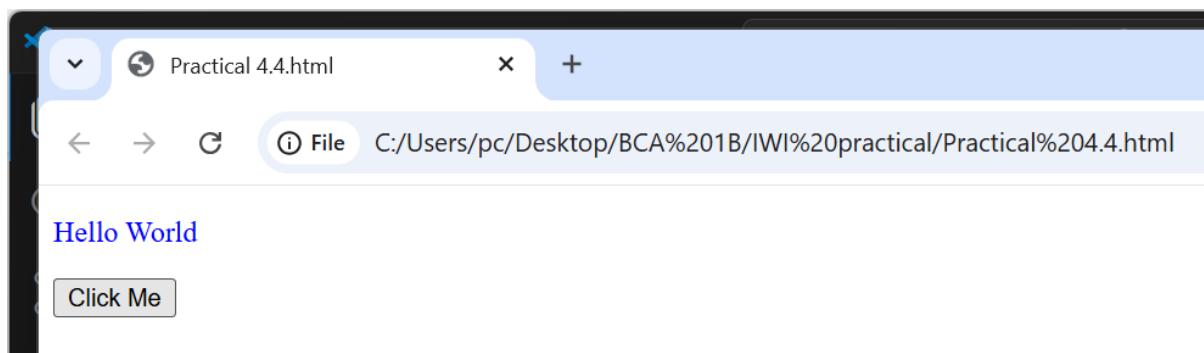
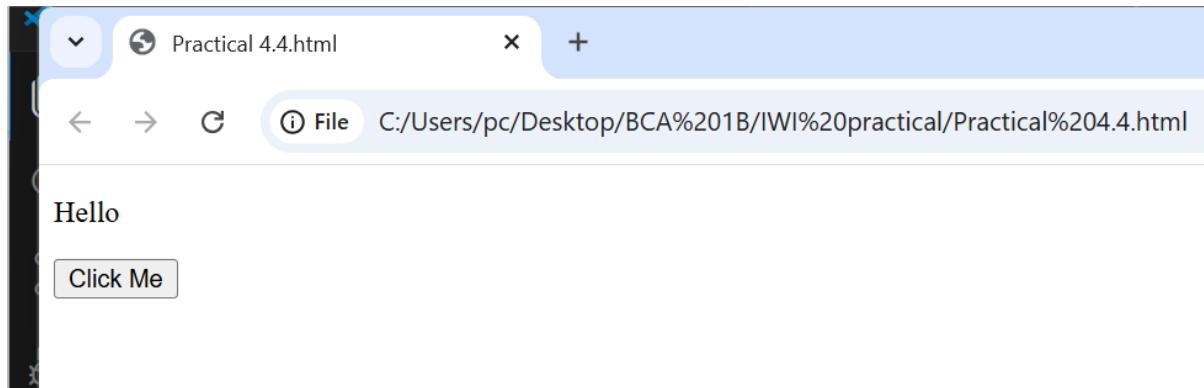
16. Show or hide HTML elements using Javascript and toggle CSS classes dynamically



17. Add interactivity using event listeners (addEventListener, removeEventListener) for mouse/keyboard events



18. Create and manipulate elements using Javascript: append , remove or modify child nodes



19. Create a simple drawing using the <canvas> elements; draw shapes and fill colors



UNIT-5

20. Initialize a Git repository, commit changes, and push to Github , Deploy a personal portfolio site on Github pages or Netlify

1. Open your project folder

Right-click → Open in Terminal / Command Prompt

2. Initialize Git

`git init`

3. Add files

`git add .`

4. Commit changes

`git commit -m "Initial commit"`

5. Create a repository on GitHub

- Go to GitHub → New Repository

- Copy the repo URL

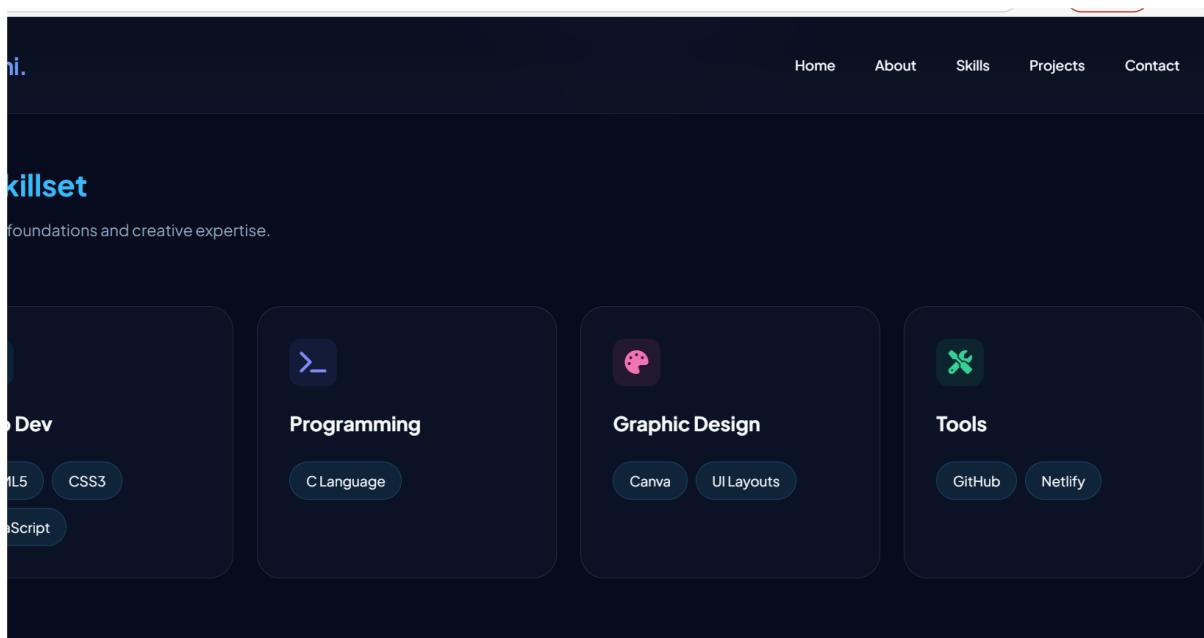
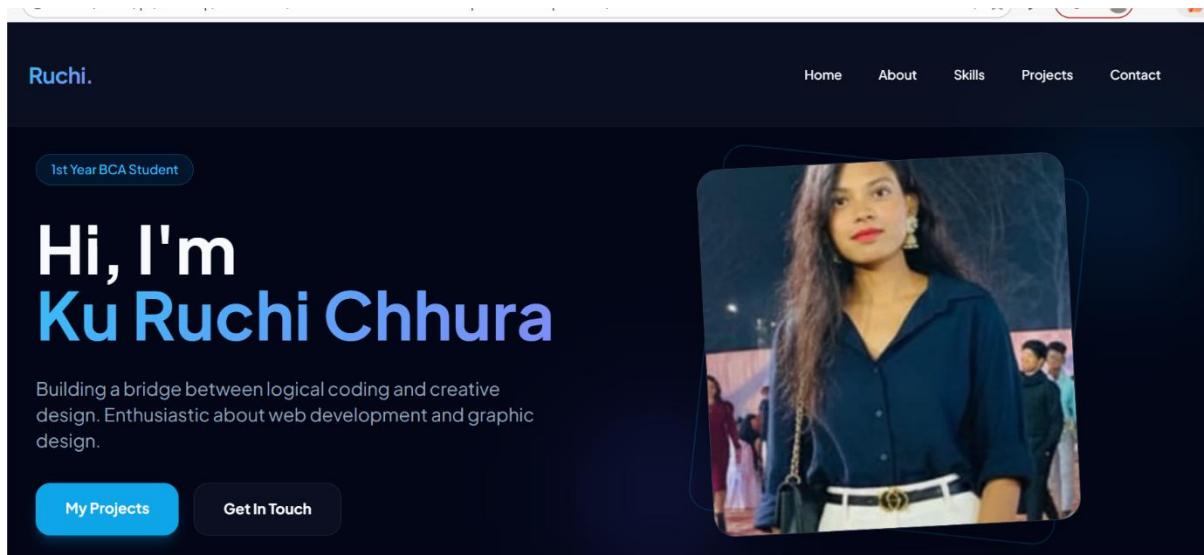
6. Connect local repo to GitHub

`git remote add origin <repo-url>`

7. Push to GitHub

`git branch -M main`

`git push -u origin main`



Ruchi.

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Rock Paper Scissors Game
Interactive game logic built with JavaScript. Part of IWI Practical Assignment.

[View Repository](#) [View Output](#)



Weather Dashboard
Static weather tracker using JSON-like API concepts for data display.

[View Repository](#) [View Output](#)



Expense Tracker
Financial management tool for adding and calculating expenses.

[View Repository](#) [View Output](#)



Calculator Web App
A sleek calculator for basic arithmetic operations using HTML/CSS/JS.

[View Repository](#) [View Output](#)

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