

HTML & CSS Assignment — Solutions

Part A – Basic HTML (Easy Level)

1. Simple Webpage

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>Simple Webpage</title>
</head>
<body>
  <h1>Saurav Kumar</h1>
  <p>Hello! I'm Saurav. I'm a BCA 2nd year student learning web development. I enjoy coding and solving problem</p>
</body>
</html>
```

2. Image & Link

```
<!doctype html>
<html>
<body>
  
  <p><a href="https://www.example.com" target="_blank" rel="noopener">Visit Example.com</a></p>
</body>
</html>
```

3. Lists Practice

```
<h2>Favorite Movies</h2>
<ol>
  <li>Inception</li>
  <li>The Dark Knight</li>
  <li>Interstellar</li>
</ol>

<h2>Favorite Foods</h2>
<ul>
  <li>Pizza</li>
  <li>Pav Bhaji</li>
  <li>Paneer Butter Masala</li>
</ul>
```

4. Table Creation

```
<table border="1" cellpadding="6" cellspacing="0">
  <thead>
    <tr><th>Subject</th><th>Marks</th></tr>
  </thead>
  <tbody>
    <tr><td>Mathematics</td><td>85</td></tr>
    <tr><td>Computer Science</td><td>90</td></tr>
    <tr><td>English</td><td>78</td></tr>
  </tbody>
</table>
```

5. Basic Form

```
<form action="#" method="post">
  <label>Name: <input type="text" name="name" required></label><br>
  <label>Email: <input type="email" name="email" required></label><br>
  <button type="submit">Submit</button>
</form>
```

Part B – HTML with Basic CSS (Medium Level)

6. Profile Card (HTML + CSS)

```
<!-- index.html -->
<div class="card">
  
  <h3>Saurav Kumar</h3>
  <p>Student & Web Developer. Learning HTML, CSS and JS.</p>
</div>

/* styles.css */
.card{
  width:260px;
  padding:16px;
  border:1px solid #ddd;
  box-shadow:0 4px 10px rgba(0,0,0,0.08);
  border-radius:8px;
  text-align:center;
  font-family: Arial, sans-serif;
}
.card img{border-radius:50%;}
```

7. Navigation Bar

```
<nav class="nav">
  <a href="#">Home</a>
  <a href="#">About</a>
  <a href="#">Services</a>
  <a href="#">Contact</a>
</nav>

/* styles.css */
.nav{display:flex;gap:12px;list-style:none;font-weight:600;}
.nav a{padding:8px 12px;text-decoration:none;border-radius:6px;}
.nav a:hover{background:#f0f0f0;}
```

8. Registration Form

```
<form>
  <label>Name: <input type="text" name="name"></label><br>
  <label>Email: <input type="email" name="email"></label><br>
  <label>Password: <input type="password" name="password"></label><br>
  <label>Gender:
    <label><input type="radio" name="gender" value="m"> Male</label>
    <label><input type="radio" name="gender" value="f"> Female</label>
  </label><br>
  <label>Hobbies:
    <label><input type="checkbox" name="hobby" value="reading"> Reading</label>
    <label><input type="checkbox" name="hobby" value="sports"> Sports</label>
  </label><br>
  <button type="submit">Register</button>
</form>
```

9. Two-Column Layout (Flexbox)

```
<div class="container">
  <div class="left">
    <h2>Left Text</h2>
    <p>This is some text on the left.</p>
  </div>
  <div class="right">
    
  </div>
</div>

/* styles.css */
.container{display:flex;gap:16px;align-items:flex-start;}
.left{flex:1} .right{flex:1}
```

10. Styled Buttons

```
<button class="btn primary">Primary</button>
<button class="btn outline">Outline</button>
<button class="btn big">Big</button>

/* styles.css */
.btn{padding:8px 14px;border-radius:6px;border:0;cursor:pointer;}
.btn.primary{background:#1976d2;color:#fff}
.btn.primary:hover{transform:scale(1.03)}
.btn.outline{background:transparent;border:2px solid #1976d2;color:#1976d2}
.btn.big{padding:12px 20px;font-size:1.05rem}
```

Part C – Practice Projects (Medium Level)

11. Portfolio Page

```
<header><h1>Saurav Kumar</h1></header>
<section class="about">
  
  <p>Skills: HTML, CSS, JavaScript</p>
  <p>Contact: saurav@example.com</p>
</section>
```

12. Login Form (Styled)

```
<form class="login">
  <h2>Login</h2>
  <label>Username: <input type="text"></label>
  <label>Password: <input type="password"></label>
  <button type="submit">Sign In</button>
</form>

/* styles.css */
.login{max-width:320px;margin:40px auto;padding:20px;border:1px solid #eee;border-radius:8px;text-align:left}
.login input{width:100%;padding:8px;margin:6px 0}
```

13. Product Card

```
<div class="product-card">
  
  <h4>Product Name</h4>
  <p>■799</p>
  <button>Buy Now</button>
</div>

/* styles.css */
.product-card{width:220px;padding:12px;border:1px solid #ddd;border-radius:8px;text-align:center}
```

14. Hero Section

```
<section class="hero">
  <h1>Build Better Websites</h1>
  <p>Simple solutions for modern designs.</p>
  <a class="cta" href="#">Get Started</a>
</section>

/* styles.css */
.hero{padding:60px 20px;text-align:center} .hero .cta{display:inline-block;padding:12px 20px;border-radius:8px}
```

15. Responsive Layout (Grid/Flexbox)

```
<div class="grid">
  <div class="box">Box 1</div>
  <div class="box">Box 2</div>
  <div class="box">Box 3</div>
  <div class="box">Box 4</div>
</div>

/* styles.css */
.grid{display:flex;gap:12px;flex-wrap:wrap}
.box{flex:1 1 calc(25% - 12px);min-width:140px;padding:20px;border:1px solid #ddd;text-align:center}
@media(max-width:700px){
  .box{flex:1 1 calc(50% - 12px)}
}
```

Notes:

- Replace placeholder image URLs with local files when submitting a zip.

- For forms, server-side handling (action) is required for real submission.
- Use separate CSS file (styles.css) and link with `<link rel="stylesheet" href="styles.css">` in `<head>`.