

Here is a **complete, ready-to-use HTML Lab Worksheet** for beginners. It starts from **creating an HTML file**, explains **all basic tags**, and ends with a hands-on activity to build a **Student Profile Page**.

You can **print this** or **share it with your students**.

HTML LAB WORKSHEET – Building a Student Profile Page

LAB 01 – Introduction to HTML & Basic Tags

Learning Outcomes

By the end of this lab, the student will be able to:

- Create a basic HTML file.
- Use essential HTML tags.
- Build a simple Student Profile Page.

Part 1 — Create an HTML File Step 1:

Create a New File

1. Open **VS Code / Notepad / any editor**.
2. Click **File → New File**.
3. Save the file as:

student_profile.html

Part 2 — Basic HTML Structure Type the following code in your file:

```

<!DOCTYPE html>
<html>
<head>
    <title>Student Profile</title>
</head>
<body>

</body>
</html>

```

Explanation of Each Tag

Tag	Meaning	Purpose
<!DOCTYPE html>	Document Type	Tells browser that this is an HTML5 page
<html>	Root element	Everything goes inside
<head>	Metadata	Page title, links, settings
<title>	Page title	Shows in browser tab
<body>	Page content	Everything visible to the user

Part 3 — Adding Headings & Paragraphs

Add these inside <body>:

```

<h1>Student Profile</h1>
<p>Welcome to my profile page.</p>

```

Tag Explanation

Tag	Purpose
<h1>	Main heading

<p>	Paragraph text
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Part 4 — Adding an Image

 Tag

Explanation

- src → the image file name
- alt → description shown if image not available
- width → resize image

If students don't have a picture, they can use a placeholder: <https://via.placeholder.com/200>

Example:

Part 5 — Adding Personal Information (Using Lists)

```
<h2>Personal Information</h2>
<ul>
    <li>Name: John Doe</li>
    <li>Roll Number: 12345</li>
    <li>Department: Computer Science</li>
</ul>
```

Tags:

Tag	Purpose
	Unordered list (bullets)
	List item

Part 6 — Creating a Table to Show Academic Info

```
<h2>Academic Details</h2>
<table border="1" cellpadding="5">
  <tr>
    <th>Subject</th>
    <th>Marks</th>
  </tr>
  <tr>
    <td>Programming</td>
    <td>85</td>
  </tr>
  <tr>
    <td>Math</td>
    <td>90</td>
  </tr>
</table>
```

Tags Explanation:

Tag	Purpose
<table>	Creates a table
<tr>	Table row
<th>	Table header (bold)
<td>	Table cell

Part 7 — Adding Contact Section

```
<h2>Contact</h2>
<p>Email: <a href="mailto:student@example.com">student@example.com</a></p>
<p>GitHub: <a href="https://github.com/student">github.com/ student</a></p>
```

Tags:

Tag	Purpose
<a>	Creates a hyperlink

Part 8 — Final Lab Task

LAB TASK: Build Your Own Student Profile Page

Create a page that contains:

✓ Required Elements

- Page Title
- A main heading (Student Profile)
- A student photo (real or placeholder)
- A short introduction paragraph
- A list of personal details (name, department, hobbies, skills) •
- A table showing at least **3 subjects and marks**
- Contact section with **email link**

✓ Bonus (Optional)

- Add colors using inline CSS: Example:
`<h1 style="color: blue;">Student Profile</h1>`
- Add background color to page
- Add borders to image