BCSE203E - WEB PROGRAMMING – CYCLE SHEET
Module 2: HTML (HyperText Markup Language)

Task 1: Introduction to HTML Basics
Aim:
To practice basic HTML structure and formatting elements.
Instructions:
Create basic.html with:
- Standard HTML structure
- <h1> main heading: "Welcome to HTML Lab"
- <h3> subheading: Department + Course
- Two paragraphs explaining:
  - What is HTML?
  - Importance of HTML
- Use <b>, <i>, <u>, <br>, <hr>
- Display your name in bold + italic

Task 2: Working with Text Elements & Lists
Aim:
To understand block/inline elements and list structures.
Instructions:
Create lists.html with:
- Heading: "My Skills and Hobbies"
- Unordered list of 5 technical skills
- Ordered list of daily activities
- Use <strong>, <em>, <mark>
- Description list (<dl>) of 3 terms and definitions

Task 3: Images and Hyperlinks
Aim:
To insert images and implement navigation using hyperlinks.
Instructions:
Create media.html with:
- Insert one image using <img>
- Add two links: external + internal
- Make image clickable
- Use target="_blank"

Task 4: Semantic Layout (section, article, aside, nav, header, footer)
Aim:
To organize content using semantic HTML5 elements.
Instructions:
Create semantic.html with:
- Header (title & tagline)
- Nav bar with 4 links

- Section containing 2 articles
- Aside with related topics
- Footer with name + register number + year

Task 5: Mini Webpage Using Multiple Elements
Aim:
To practice integrating multiple HTML tags.
Instructions:
Create news.html (a simple news article):
- Header with site name
- Article with title, 2 paragraphs, and an image
- Aside with "Related News"
- Footer with contact info + "Back to Top"

Task 6: Critical Thinking Scenario (Apply ALL Concepts)
You have been hired as a trainee web developer by "EduLearn Academy", an online learning platform. They need a single-page informational website for a new course "Web Programming Foundations". The page should be designed using **only HTML** (**no CSS**).
Your task is to create a well-structured webpage meeting their requirements.

Instructions:
Create a file course_page.html implementing the following:
1. Header Section
- Website title: EduLearn Academy
- Tagline: *Learn Anywhere, Learn Anytime*
2. Navigation Bar
Include links (dummy links allowed):
- Home
- Courses
- Faculty
- Contact
3. Course Overview Section
Create a <section> containing:
- A <h2> heading: "Web Programming Foundations"
- An introductory paragraph about the course
- A list of topics covered using
- A table <table> listing:
    - Module number
    - Module name
    - Duration
4. Faculty Details (Article)
Create an <article> that includes:
- Faculty photo (use any sample image)
- Faculty name, qualification, and specialization
- A short biography paragraph
5. Student Reviews (Aside)
On the right side (logically, structurally):
- Create an <aside> containing 3 student reviews

- Use <blockquote> for each review
- Include reviewer name using <cite>

6. Enrollment Section
- Add an <a> link "Enroll Now" which:
  - Opens in a new tab
  - Has a title attribute

7. Footer
Add:
- Organisation address
- Email
- Copyright
- A link to "Back to Top"

Evaluation Focus :
Students should apply:
- Proper HTML structure
- Semantic tags
- Lists, tables, images, hyperlinks
- Navigation
- Header/footer organization
- Creative layout using only HTML

Submission Requirements
- Folder name: Module2_HTML_YourName
- Files:
  - basic.html
  - lists.html
  - media.html
  - semantic.html
  - news.html
  - course_page.html (critical thinking task)
- Question, Code and Output screenshots for all tasks in PDF document and Submit in VTOP along with module 3 CSS task.