Html5 Syllabus

Day 1 - Introduction to HTML

- What Is Html?
- Html Pages Types - Static Pages,Dynamic Pages
- What Is Tag?
- Types Of Tags - Container Tags,Empty Tags
- What Is Element?
- Attributes In Html
- Html Tag
- Head Tag
- Title Tag
- Meta Tag
- New Html5 Features & Tags
- Br Tag
- Headings Tag (h1 to h6)
- Paragraph Tag
- Subscript Tag
- Superscript Tag
- Hr Tag
- Align Attribute
- Bold Tag
- Italic Tag

Assignment - Create A Static Portfolio Webpage That Showcasing Your
Skills,Experience,Projects & Contact Details.

Requirements -
1.A Header With Your Name Or Title.
2.Introduction Section With Paragraph About You.
3.Skiils Section For Listing Your Skills.
4.A Projects Section With Description About Your Work Or Projects.
5.A Contact Section With Basic Contact Information.
6.Include Footer In Webpage Add @2025 All rights reserved Text.

Day 2 - Working With Text And Lists,Tables

- Strong Tag
- Blockquote Tag & q Tag
- Abbreviation & Acronym Tag
- ins & del Tag
- S Tag
- Pre Tag
- Unordered List
- Ordered List
- Unordered Nested List
- Ordered Nested List
- Definition List/Description List
- Table Tag
- Table Tag Attributes

Assignment - Create A Webpage In Html5, That Contains Student Information Table. The Table Should Contain Following
Columns Student Id (numeric),Name (text),Grade (text indicating academic performance),Email (text showcasing student
email address).

Requirements -
1.Add Caption In Table As Student Information Table.
2.The Table Should Be Populated With At Least 10 Rows Of Sample Student Data.
3.Use tfoot Tag To Add Footer Row That Contains A Total Count Of Students (Eg - Count Of Students:10)

Day 3 - Links, Anchors, and Frames

- What Is Anchor Tag?
- Anchor Tag Attributes (href,target,rel,download,hreflang)
- Anchor Tag Link (Absolute Path,Relative Path,Local Path,Same Page Link)
- How To Change Link Colors In Html
- Id Attribute In Html
- Class Attribute In Html
- Id , Class Attribute Use Javascript
- Iframe Tag & Its Attributes

Assignment - Create A Webpage Where Users Can Click On Different Links To Display Content From External Websites,
(Like Javatpoint,W3Schools) Within An Frame.

Requirements -
1.Create External.html Named Html File That Contains All Three Hyperlinks,That Points To External Websites
Such As (Like Javatpoint,W3Schools).
2.Create Target.html File That Contains 2 Iframes One Iframe Points To The External.html & Second Iframe Will
Display The Content When User Click On Any Link From External.html.
3.The External File links Should Be Open In That Webpage Only Not On New Tab.

Day 4 - Working With Media

- Image Tag
- Image Tag Attributes
- Map Tag
- Area Tag & Attributes
- How To Attach Link To An Image
- How To Set Background Image In Html
- Audio Tag & Attributes
- Video Tag & Attributes
- Source Tag
- Embed Tag
- Object Tag
- Param Tag

Assignment - Create A Blog Post On Your Own Topic Using Html5,That
Includes Various Media Contents Such As Images,
Audio,Video,Hyperlinks etc.

Requirements -
1.Create Webpage That Contains Header With Heading Of Blog, Body Content
With Related Information , You Can Include
Images,Videos (you can embed video).
2.Add Footer Section , That Contains Hyperlinks Or Contact Info Of Author
Of Blog.

Day 5 - Forms

- Form Tag
- Input Tag Types - (text,password,email,url,file,checkbox,radio)
- Input Tag Attributes (name,value,accept,checked,autofocus)
- Button Tag & Types (Submit,Reset,Button)
- Form Tag & Attributes
- Create A Login Form

Assignment - Create A SignUp Form Using Html5 That Allows User To
Register By Providing Their Name,Email,Password &
Other Details Such As Hobbies You Need To Include Many Options For
Hobbies, User Can Select Hobby As Per Choice.Add
Gender Field In Form And Submit Button To Submit The Form, Agree Terms &
Conditions Field.

Requirements -
1.While Creating A Form For Field For Fields Name -> text,Email ->
email,Password -> password Input Types.
2.For Hobbies Field Use Checkboxes From Which User Can Select
Multiple.For Gender Use Radio Button So User Can Select
One.Use Checkbox For Agree Terms & Conditions Field.

Day 6 - Advanced Form Elements

- Input Tag Attributes
(max,min,minlength,maxlength,placeholder,step,pattern)
- Textarea Tag & Attributes
- Label Tag & Attribute
- FieldSet Tag & Attributes
- Legend Tag
- Select Tag & Attributes
- Option Tag & Attributes
- Optgroup Tag & Attributes
- Image Button
- DataList Tag & Attributes

Assignment - Create An HTML5 Form That Collects User Data,The Form Should
Include The Following Fields,Name,Email,
Mobile,Country,Address,Hoobies And Submit Button To Submit The Form.

Requirements -
1.While Creating A Form For Field For Fields Name -> text,Email ->
email,Mobile -> tel Input Types.
2.The Country Field Should Be The Select Dropdown With Predefined List Of
Countries,Address Field Should Be Textarea
So User Can Fill Multiline Text.
3.Hobbies Should Be Datalist So That When User Types In Input Provides
Suggestions Based On User Input.

Day 7 - Layout and Semantic Tags

- Link Tag
- Style Tag
- Div Tag
- Span Tag
- Style Attribute
- Class Attribute
- Html5 Tags (Nav,Section,Summary,Details,Article,Footer)
- Meter Tag
- Mark Tag
- Main Tag
- Figure Tag
- Figcaption Tag
- Progress Tag
- Marquee Tag
- Thead,Tbody,Tfoot Tags
- Create A Table With Thead,Tbody & Tfoot Tags

Assignment - Create A Single WebPage With Navigation Bar That Allows
Users To Navigate Between different Sections Of
WebPage. The Webpage Will Include Five Main Sections
Home,About,Blogs,Services,Contact. Clicking On The Appropriate
Navigation Link Should Navigate To That Section In The Webpage.Each
Section Should Have Its Related Appropriate Content.

Requirements -
1.Create Single Webpage - Home Page (index.html) Which Have Navigation
Bar That Contains Nav Links To The About,Blogs,
Services, Contact In That Page Only.
2.Use Appropriate Images,Videos,Content Into Each Section And The Webpage
Should Be Able To Distinguish Clearly Between
All The Sections Of The Webpage.

Day 8 - Advanced HTML5 Concepts

- What Is GeoLocation API ?
- Geolocation API Methods
- What Is WebStorage API?
- LocalStorage Object
- SessionStorage Object
- Semantic Tags & Semantic Elements

- What Is SEO?
- How We Can Add SEO Techniques In Html5

Assignment - Create A Multi Page Website With A Navigation Bar That Allows Users To Navigate Between Different Pages.
The Webpage Will Include Four Main Sections: Home, About, Services, And Contact. Clicking On The Navigation Links Should
Open The Appropriate Page. You Can Add Your Choice Of Contents Like Texts,Images,Videos,Audios Inside The Each Page.Use
header,nav,article,section,footer,figure,figcaption Tags To Improve SEO Of Website.

Requirements -
1.Create Four Separate HTML Pages - Home Page (index.html),About Page (about.html),Services Page (services.html),Contact
Page (contact.html).The Default Page Is Home Page.Which Contains Navbar And Links To Other Pages.You Need To Add Same
Navbar In All Four Files So Navigation Bar Is Available To All Pages.
2.Include As Many Semantic Elements In The Website That Will Enhance Search Engine Optimization .You Can Use Your Own
Custom Css Styles To Add Css For Navigation Bar.