Day - 3 Assignment

1] Write Down 2 benefits of using Semantic tags

Ans There are Two benefits of using Semantic tags in HTML.

i] Improved Accessibility :-
Semantic Tags (like <header>, <nav>, <main>, <article>, <footer>) help Screen readers understand the structure of a Webpage, making it easier for Visually impaired users to navigate.

ii] Better SEO (Search Engine Optimization):-
Search engines understand the meaning & ~~improved~~ importance of different parts of a Webpage when Semantic tags are used, Which helps improve Search & ranking and Page Visibility.

2] Research : Compare Semantic tags with <div> - When should each be used?

Ans Semantic Tags Vs. <div> : Comparison & When to use

i] Meaning & Purpose :-
Semantic Tags
are: <header>, <nav>, <main>, <section>, <article>, <article>, < footer>.

* Convey Meaning & Structure
* Tell browsers, developers, & Search engines what
the Content represents.
eg: <nav> clearly means " Navigation links go here".

<div> Tag :-
* Non- Semantic
* Has no meaning, acts only as a generic Container
* used mainly to for layout, grouping, or
styling using css.
eg: <div> could Coontain any thing - text, images,
forms etc.

ii] Impact of On Accessibility :-
Semantic Tags :-
* Help Screen readers navigate Pages
* Improve user experience for Visually impaired
users
* Provide landmarks (like "header", "navigation"
"main")

<div> :-
* offers no Structural Information
* Screen readers treat it as a generic
block

iii] Impact of on SEO:-

Sematic Tags:-
* Search engines understand the page structure
* Improves SEO rankings & rich snippets

<div> :-
* Does not help SEO
* Search engine must guess the purpose of the content

iv] Styling & Flexibility
Semantic Tags:-
* Can be styled with CSS
* cleaner & more meaningful HTML.

<div> :-
* More flexiable
* used for layout patterns (grid, flexbox, wrappers, Containers)
* useful when no suitable semantic tags exists

v] When to use:-
Semantic tag:-
use semantic tags when the content has a meaningful role, such as:

Tags	When to use
<header>	Page or Section headings
<nav>	Main or Side navigation menus
<main>	Main Content area
<section>	Grouping related Content
<article>	Independant Content (blog Post, news etc)
<aside>	Side info, ads, related links
<footer>	Copyright, Contacts, closing Info.

<div> :-

i] No Semantic tag fits the purpose :-

eg: A Container used only for layout or Styling

ii] For CSS Layout (flexbox / Grid) :-

eg: <div class = "Container">

    <div class = "row">

iii] For Grouping elements Without Meaning

eg: Styling a Card, box, Wrapper, or Component.