what is HTMLS? explain the features of HTML!

HTMLS Is the fifth and larger version on the

HTMLS Is the fifth and larger version on the

HTML shouldard for creating with pages. It was

articity reletized on eath 2 ary and is turrently

the murl widely used version of HTML. some

key features of HTMLS include improved outhinds

support HTMLS contains the built in support

for video & outlo mains the built in support

for video & outlo mains it easer to enhall

media content: into well pages without the

need for third party plugins like flack.

Samontic markup HTML 5 introduces men semantic element like cheaters, < nous sections I < Lody > Kepters that provide more content & meaning to web page content making it easier for scorch engines to index 6 categories pages.

Temproved multimeadia Support:

HTMLS: includes built in Support for index I audio making it easier to embed media Content into web pages without the need for third party plugins like flork. This provides a more seamless to resiable user exprience.

Semantic Markup:
HTML indroduced new semantic element

clike < header), < nav>, < cartical>, 4 < froster> that

provide more context & meadia to web page

contact, making it easier for search engines

to index and categories page.

- (anvas and SVG:

 HTMLS introduces new graphics elements in carry of carry can animations directly with the forester.
 - 4) Simplified Code: HTMLS introduce new of eatild white like notive from validation a input types within simplify the code needed to create web page. This helps developers created more were riveded to occure forms.
 - 5) Mobile Friendly!.

 HTML designed to work well on mobile device

 within feature like responsive design, Jouch support

 (clocation based servers.
- (72) Compan The earlier version of HTML to HTMLS

 HTML

 To HTMLS

 To didin support audio 4 It support audio and video
- The didin support audio of The support audio and video without the use of controls with the use of flags. Have player support. (audio) and Kvideo) tags
 - teamporary data cyplication cash. Cache to store of this clota.
 - 3) Does not allow Jevassipt Allow Jauckscript to run in the to run in the browser. haevaground. This is possible du

does not culow drags It allow drogs & drup and whop effects. effects smarter se in eading is in character coding is simple 4 easy in 6 complicated To works with all add It supported by all men browser like fixfox, mozila, Chrome, etc. with the state of sie the Aructure of Home crepage I what on advantages & disadvartages of HTML5? structure of ItTML 5: HTMLS include key elements: -Dolument Type Declaration (DOCType): specific the version of Home! heing used. HTML Element: at the HTML alocament denoted by Lhtml). contains new information about the document. 1 Head Section 1. such as the efitte, character remode links to extends recourses (CSI,) avasoript). Defines the little of the webpage displayed y (1:41- 1: in the browser title bar or Jab.

- 5) Body: Containt the content as webpage. It is a within the <body) tag.
- S) Element in Budy HTML:

 Heading <a hreadinge | Shi had in the walinge |

 Used to define headinge | The <a hreadinge |

 Paragraphs <a hreadinge | Paragraphs <a hreadinge | Paragraphs <a hreadinge | Paragraphs <a hreadinge | Paragraphs <a hreadinge | Paragraphs <a hreadinge | Paragraphs |

 Jinles: Creale with <a hreadinge | Crealed with <a hreadinge | Paragraphs |

 Jinles: Inverted with <a hreadinge | Paragraphs |

 Jinles: Crealed with <a hreadinge | Paragra
- Torms! Constructored with tag < form), wed to colle user Input 4 submit data.
- 8) Sementic Elements:
 HTMLS introduced Several new semantic
 elements such as <header), <frater>, <'nov)
 <section>, < main> etc.,
- Advantages:
 1) HTMLS introduce semantic element that import.

 The structure and clinity of the webpage.
- 3) HTMLS provides native support for audio 6 video playback.
- 3) Himis includes the x convers & element for dynamic scriptuble reeding of graphics.

times incorporates responsive design feathers 1 Jouch support making webpose more accessible. Distiluantages: Which morder browser support HTMUS, older
mouser may have limited or incomplete supports. webRTC that may pose security rike. Developer may need to invest thin a content to Jean 6 moster the new features & API introduce is HIMLS. 4) What is meant by form? What are estential to while designing the idle form? Explain following tag used to construct web form. Him form :-In HTML a (form) is used to collect user input and submit is to a server proceesing it act as a container for form elements such as Input failes kuttons: Charetchoxes, radio button, and dropdown nev. The & forms element supecifies the action to be performed when the form is submitted and the nethod used to send the data couldly either "GET" or "POST"), Essential Steps while designing: -D' Define pupose :-

Cheanly define the purpose of the from and the important you want to add to collect from was

- collect the require Information.
- 3) Use labels: Associate each input field with a class using classes element.
- Group releted field! larges using fieldset on alegered element to create.
- S) Use place holder Text:

 User place holder text to provide example or
 hints for the expected form of the input.

* Explaining tags:

The x form) tag IT used to created on 14th form it contains various form clements such as input field, buttons, checkboxes, etc.

The action attribute specifies the up, where the form data wise be sent and the method attribute define HTML (method c'GFT" (GFT", "POST").

The xinputs tog is used to create input to within form. - Int can be used to created various

possioned fields, readio. butter, checkbar, etc 3) Select >: mon within a form. It contain one or more Loption) togs, which represent the option available in the dropdown more, as Explain with example various Sematte . 6 mon sementics elements in HTML 57. Sementic Element: Sementic element in HTMLS are tages that provide meaning to the content they element enclosed making it easier for browser search engine screan readers & developers to understand the structure 6 purpose of the webpage some common semantic elements in titul < headers, that, (main), <section), <artical >, < div>, < fuotor) < 1. DOCTUPE. hotml) Khtml clang = "en"> Khead) <tite> Semantic elements Aitles x/head) T body) < header) (hi) my website 2/hi) Knav) XUI) «Li) < a hort = "H" > HOME < (1) oc/ul>

Shows

K/headers 2 mairs < section id = " home") The) welcome to my Home </h2) XP7 Home page </P7 « 1 section) Mour S - (Feroter) TP) A. (087: 2024 My webpage, </19). or/ Robler) 1/hody) «Ihtmu. 3) Now Sermantic element: Non-semantic element on the other hard, do orat conver any inheart meaning about the ordin they contain. Threy are used to purely for prosentation purpose or to provide . Structure to the prepage Example of non-semantic element include. \(\text{div} \), \(\text{Span} \) \(\text{Center} \) 59: < 1 DOCTYPE html) < bfm > «heads « Hite) Non- semantic element < 1 title) </head) < hedy) div Styles 'haeleground - Copor: block; padding ! 2 opx; ">

The same <cpan style =" fort - Size = 20px;");</pre> welcome to my website XIspan) LP7 other 15 a paragraph K/P)

by Bold Ste text < 16) LI) Italic text </11) body > hands </div) Whitml). The bound of the same of the s The state of saffragery while the the state of the s and the second selection