Assignment no :- 01

Topics covered:- IP
- week technioty + terminoly
- h+m1
- wx65em

Date of performance :- 0 24-0+-21

Evaluation Criteria	Marks (out of 3)	Date	Signature of Instructor
Punctuality			
	03		
Problem solving technique	03	09-08-22	<u></u>
Attainment level (out of 3)	03		



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#### Assinament No :- 01

Q.1) what is IP? with the hey of example.

"IP addson is a unique addsess that identities a deverice on the internet or local network."

Ip stand for "Internet protocol" which is sty set of mule governing the format of data sont via the internet of local network. Ip addlesses provide a way of doing so and from on essential part of how the internet works.

- · IP add 8000 :-
  - · IP addson is short for internet protocol and city addson
  - · An IP addson is an identifier for a computer or device on a TCP I IP notwork.
- · Networks winy the TCPITA protocol route monage wand on the TP addson of the destination.

example address might 60 192.158.1.38. Each number in the set can funde from 0 to 255, range 0.0.0.0 to 255.255.255.255

Vasion Type of IP

IP add son class:

· IPV4

C1200 A, B, C, D & E

. IPV6

. Types of weeste IP Add som Los English

Of Dedicated IP addsom

Destination (2) - Sharred IP addsorp while at a short TO do see of Analy " Justos of Lamber 10 ver Lines of L

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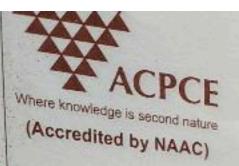
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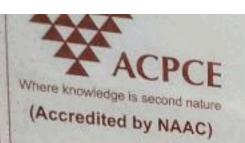
Explain what is well technology & its application "The mothod by which computers communicate with each other through the use of markup languages and multimedia package is know as well termology."

woo terminopoples ?-

- client :- Any computer on the network that Eaguiers somices from another computer on ty network
- Some ?- Any computer that request from client computers, process of sonds the output
  - . woo page + Any page that is hosted on the internet
  - . Wes site :- collection of wes page that is hosted on the internet
  - · woo Development: The processor of creating, modifying web page.
  - . We Browser: A program that receives information from to wes Es. It , Chromo, mozillia, exc

#### · Application :-

- 2> Routine Web analytic
  - 2) Disital Adversting
  - 3) E-commemce
  - 4) Publishing
  - Backeny 3ervice 20 mersoring
  - project management & collection.
  - 7) Realtime monitoring service.



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.3) what are the essential was termology terminology inlight and Explain.

- webtechnoody: "The method by which computer communicate with each other through to use of markup language so multimedia puckage is know as web technology."
- · Essential wes technology are as followed).
- · HTML :- HTML is stand for hypertext marskup knyuque. This is the mostly used for struturing and preceseting content on the world wide wos.
- · CSS & TSS is stary for casacacing style sheets let designess change to look of wee page. Css transmork such as Bootstreep or Tailbing Css can speel page development.
- · Javassipt: Javassipt is a scripting language that is used along with HTML and css as the three core companels of the world wide was . Tavastipt has the HELL class tunctions and is usey in most wassite.
- 1006 applications should are browser independent Browsers -6100918 er. Satari fige fox.

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age	No.	1.
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· frameworks: - Frameworks take can	c of repetitive development
taoks or make programming took	easiar to go . A few
server-side promocoones include	
- Hode.Is	
NET	
- Di ango	
spring	
- Angular. T	

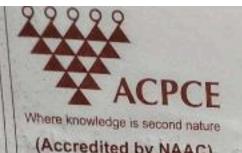
· Database !- Database can be relational like seet or non-realism, like monyood The following one the most used databas

- Monganb - Oracle - Sal Server - Myser et

. Webservers: Webserver allow communication traffic between the client and the server. The most used server include:

- 115 wes server.

· Protocold 9.- Protocolo Standardize how data interract amongy comprets -



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Q.47 Describe what is html ? make one welpage winy html tay.

HTML: HTML is an acconsm which start for Hypertext Murlaup language which is used for creating were pages any were application "Lepis see what is meant by Hypertext Markap Lanaguage, any were page.

"Hyper text: - HyperText simply means "Text within Text. a rext has a link within it a hypertext,

TIERS 1942 - "Danied " Processes " Platanolder - " and

Markup language: A markup lanadage is a computer language that is used to apply layout any formatting convention to text accomment

in Home and translated to a was browser

· WEBPAGE ?

TAGE: - The html 'tag represents the most of an Himl document.

```
·wespate
                    (DOCTYPE HMM)
                      7 PHUIS
                      1 meta name = "viewport" content = "colort device - width, in itial-scale
                      Ltitley Login Page (11 title)
                      (Lpogy)
  L'centee> (his Registection form: < 141) < 1 centee>
                          1 from>
                         Laivelors = "(ontainer")
                        {label} tisorname: Llabel}
   L'input type = "Itext" placehodeler = "Enter usorname" name = "usorname
                        2 lacely passioned: Klabely
                        Linguy type = "Bancoan" Placeholder = "Enter username" name = "ipancon"
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A.F.

Explain what is web server? write down step of how our webpage is storeed under a wesserver

· Web Serover: -

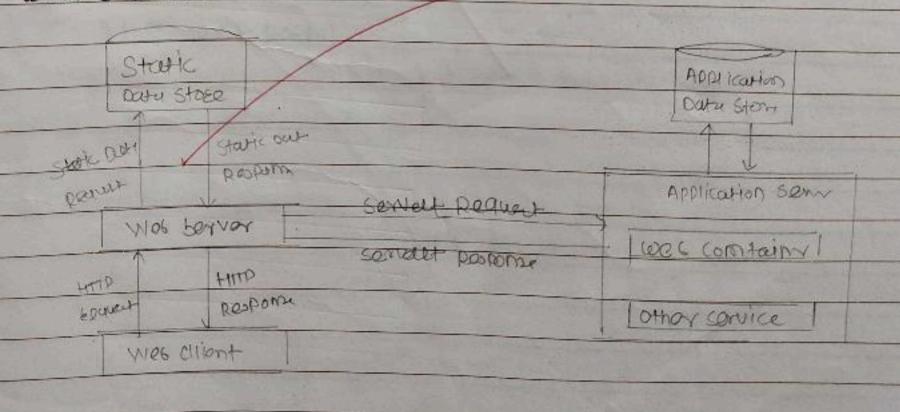
were somer is a computer where the were content is Stored. Barically was server is used to host the wessite but there exists other was servers also such as gaming, storage, FTP, email ete.

the depotent levers to exceed with all the servery with

· Webserver working:

web server tot respond to oth client tequent in either of the following two ways:

- senaing to file to the dient associated with to request URL.
  - . Generating beponse or invoking of script and communicating with database



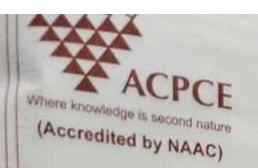
#### Example:

- 1) Apache
  - 2) Fox server a server a votate lesson of serverson
  - 3) Mainx
- · Web sorver software is associated through the domain name of wessite and ensure the domain name of wessite and ensuring the delivery of the site's content to the requesting user

ENGLINE LONG IN LOGG SCHOOLS LE

condutud and

The software side is also compeised of served componers, with at least an HTTP serve. The HTTP server is able to understand HTTP and URL'S. As hardware, a web server is computer that store web server is computer that store web server show and other the related to a website, such as HTML document images to Javasript tile.



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DY (HOLARDIA) YO

(6) write down the application and we 6 postocal which is working on the mainted to notational the mount of the woe teamology.

STREET THE PROPERTY OF THE PRO 00 Web portal :

"A was proftal is a specially designed wessite that brings intermation of sourch engines, teacher, in a uniform way.

#### : APPLICATION

is Removal to back office admismaction

21 Scale IT licening opin

- Protect meaning is trule and of mistorially occupant to the

and are come of the common design that the start of the

BTION

ion P ferro

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· protocolo" an closescopo to closetary .

ा भिर्मकार्थ का दिलाय ता जातान विकास विकास

- 3) improved deaisin making
  - 1) sout-some protoct. Better user experience

1) Vendor portalo

2) Grovamont prosted

3) Student postal.

### (9.7) Waite down the discription of following

17 API'S- I Chains protest a sur bas a cheating at aside selling - API is a software - to-software interface interface interface interface

THE PROPERTY OF THE PARTY OF TH

- · Application programming interface
- with ADI, applications talk to each other without any knowlege or intervention

#### 27 Hatabay o

- · A gate way 13 a notwork node that forms a passage between two networks operating with aitherent transmission protocy
- Grateway is located but the boundary of a network any manages and day that in Hows or outlook from that network
- A gateway operates as protocol converter, providing compatibility between the different protocol used in the two different dutrof volney ( Ustropek.

#### 3) protocus

· Protocol meaning is that sot of mutually accepts any implement rule at 60th ends of the communications channol for the proper eachings 0+10 termention

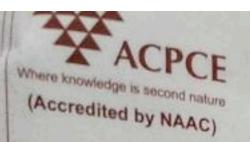
LESCRY FACTION LOS

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protocols' an developed by industry with organization: "All dary of of protocols in story in 61non information

list of protocol · TRPITA

- ARP
- · HTT P I HTTPS
- CHG.
- · DHCP
- ·FTP



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4) HTTP :- The Hypertoxy Teanster protocol (HTTD) is an applicationprotocol tor distributed, colle abration, hypermedia information Systems. This is the toundation for data communication tor data communication for the world wide wer (i.e. intermet) since 1990. it was for othe purpose as well as uning extensions of its request methods, error codes, and hoadon.

Vigirab- was so of barriago as

DESCRIPTION OF THE PROPERTY OF THE PARTY OF

#### 5) DHS

- ! DMS Stands for Domain Hame system.
- · DMD 12 a alvectory service that provides a mapping bep - the name of a host on the network is is numerical address.
- DHO TO Elequisal to 8 th trunctioning of the internal
  - . Den is service that minstate the domain name Ip's additions. This allow upor it networks to while upor-telendy name when looking for other bost instends of mymaring the to addsons
  - For example, suppose the FTP site at & Edusoff has an TP address of 132 147. (65. 50 MOST People would at reach tein ste 67 specitising HP. Edusoff. Com

## 10.8) what is xml 2 why we are using xml 20 write down ty difference Getween HTML & XML.

#### and the transfer of the party of the court of the the XML sharp for the contract of the matter you

- . XM L stands for eatensier markup language
- : You is a mark up knowner more like HIML
- . XMI was designed to stone and transport daty
- · XML was designed to be self-decriptive.
- . XML is thog give a redar some idea what some of tand le . YML IS constant memorial author vol chart 240.

- Usom padavid tent solves proporto pol and . \* mis primary traction is to provide a "simple text-bard" terment for corperating strenties information! allording to the world wide wer (1036) Ith Standarys 60dy for the wer planted including for the following! The world start - medical

- raice when to whether dead yours at prished and among - underlying duty terments for applications
- technical documentation
  - configuration options for application softwar - transcution, he was all minings to the min

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HTML XML 1 XHITTL Stands for Hypor text 10 XML Stands for extensiles markey worked rangule. Languagera @ HTML is a markup XML provides framework to define Language merkup landyuaeu HTML'IS Stockic in 3) XML is dycamic in nature Datum (3) HTML 12 not case sensitive a) xmu is care sensitive Javascipt code into the HTML 3 - Codes and mapping of document text HTML is do and to display @ xmi is used to store duty. tu datu #) tay one your tor display DHay on 421 to desirer document & 124