results of a Mandalans application that is Delivere and service there of inspired best all it at deposed and interior med to own any unboppination and the At that it always events may make and parameted the that it always events for sequences and total events. Mahitanity a mit application contains attest and dynamic that surrouse thin, it is collect depresent and (3) the drouver always sind and recolu the request a definite of Exception of pool Burely no JEE (3) through http: protect -* White laves & presentation layer : ---difference min afterious · 1 It is a place where we can store or number of 1 A medience is an application that run of operting date in organized manner for sainty data sustricul. · a system at the name experimption some suggest 100 dr' - Meat, my sal, mango DB, anoche to the browner of help both and drowen of web application to interact to each allow 1 (3) Every app server is under the control of AURL: - THAT Hand for uniform scalaurce locator of use is used to uniquely identify a perticular verticular 1 and deriver @ It receive the request form prouder communication of Every nut applican should have it over unique address with the met applicated and mould the se reported back to the brown S If UPL is this one and only way to access web applied A App derver / Bussiness server :-O The collection of all suscered asse present in U 2) The app sower contain the business dogic of the over the brance Protocal: // Domain Hame: Port Me) Resource Path) query Stin source code, servelet code and IDBC code (3) Web serousce always samplineted using Tep on specing boot for your and cup, net for the # Fragment10 *Bootocal: - Owhen one opplication wants to communicated (4) Web resource mere the business logic code is with another applican there needs to be a comman language that both application can condenstand each atte written take on CRS 1) The protocal is a common language through which Static web suraurer: - Response present inside the web Jype of who becourse ; two applications can exchange information with applican before the request it called static met 9 (3) It is set of sule and instruction Note: - it was opplical is a constition of state was succurred 1) The browner alway sent a suspeced and succesice the suspend through http protocal hence It is then this called static web application of to develop static met applican only him is enough called as little suggest and hittp suspense

ed of motocal motocal information on case inconsisting on the con trave and operated by and operated to used to used to desiry identify.

Authors, SMTP, FTP

This used to desiryuly identify. * tregments: > It is used to surriquely identify the specific fragment or section in the well http, https, smtp, FTP * Osmain Nom: > U It is use to uniquely ideality a specific @ Fragment 1d should alway being with sava within the internetwork where was application is present. · > thi(#) sign. & A domain name night be the variable name or heb opplication is a commpose Po IP address. callection of met pages which are interconnected with (3) It is a mandatory Information. (5) tig E.y for domain nameou comphich steened for commercialdomain, esty which stand Mub prage: -> @ Anything which is duplay by the homer in the form of xesponse while called P for education domesin. * Prot H Part No .: - Port no is used to uniquely Identify the specific software within the computer ? @ A mub page is the conduction of all the @ It is optional informational in the web URL 3 Port No act as a access getway for an applicant of serious so that it can be lunched at hub usawer and met dement which one written in a language like HML, CSS, JS @ Fig & g for part no are 8080, 8090, 8888 * Resource Path: - @ Resource path is used to uniquely identify a specific aut resource or web page. within the mut populication. Dutt the help of resource path we can punigate to single unbpage within the collection of multiply such page. It query string: - OIT is one of the component of upl tolich is used to pass a walnu to Specific forameter being with a ? 3 quires steering is always withten in nome walne pair.

Payment UNX fava PW Browner Mynta Scien train Axis Database * xml: -> Oxm is used to store and fransport data better to application (2) It is collection of contom togs on wer define togs (3) xml tags also called as elimints. It is case sensitive and look every similar to letral. (5) xm is markey longuage and platform independent language which tulp to store and Frampot data (6) different opplication which are develop using different Technologies of as some technologie can transfer the data among them self with the help As the name ineplies it is an extension of HTM2 and hence xml looks similar to him but purpose for both language are completely different

sower and Entity reference 1 dome character have a special meaning in and Eg: → <8al> dalwey> 10,000 </8al> (3) There are five prediction entity suference than xm) 199t; - gents than iij & It; -> Les than infframp; > in order to denote and iv Thapes; - appostopy sign v] & quot; > question mark.

XML Stemeture x Root > P < child> Your child> P CPO K/Sub dild> CPO 4/child> 1) Like HTML, xml also follows a true structure An xml true start at a Root element and barcher from root element will have shild element thild eliment can also have dut ehild eliment with this format we are avail to store the frage arround of data and transferit to another

> @ of u phase a character like quake then > x mide and elemente it will georgate an error bog it supresent the stort of a new element. < dal> dalaxy & > 10,000 2/bal> This statement whould graniate an error as it superesent the stood of new element and hence in order to avoid this error, we use an entity reference

barren .-Lyrtax: - object for P AX8 is a Jana API that talp as to consust Java P object to and and aml to joins object. "name"; "value" P The prosser of convoting zone object to am "name"; "valuel" P is called as marshalling or suralization De 1 Jon we store date in name, value, pair P If we take multiple st of data than it has be tojdo avog at lax guiternas fo merend ent grime of the form the object and II that I had to most of the formation on out of the formation of the forma noilegilaice-it so putledecomm so belles is dae son nother togething our top broth noble It is well the wight begins one to spoke with it if it is well with the wight burguage in the well with the wife with the control with the con data type. spergeol orgin atthe most if (lax atim seed at meet is not a is steering <u>888</u> @ Humby a) It as more no of dotatype. (c) Like and Jean is also a plantform independent language. Which they as to store and transport 3 region 1 mayiet P D (a) dola. I compare to real grown much more to construct in the application to the deplication to the available and generate by available and generate the a (In theat C Deckson, Jausey and Jack RS out the four API that help out to convert Jana Object to Joon and from to touch others 3 is called the position of converting four abject to follow it as position to belles is (2) then of the name implies which consists of data similar object notation of your wints. tomof nose in sever a notolob emiser en it (3) 10 The porouser If the format of the trancaration is join than dust the blow it is To trave if the format is sent than it is only to the travel that it can be boop unbressive.

Busentation Layer contain web pages, out xisoure, out rml date is typeless element which sugaried for graphical user interface Jdon to which the user can communicate with business 100 1] Ison data has dotatype, I All xml doto should be (B) it is light unighted." In order to mokesure that the presentation layor is (D) sking 2) John datatype and stringer working correctly we perform manual testing and number, werey, booken, of Februicy data a difficult outsmation being. 1 35 Ketrining data is early Bussiness layer: If It is more decived than if the bussiness layer contain the source code and in Joon dustiness logic which is core feature form the 4) Joon is less secured In xml we stone data in fine structure formate 5) Data is stored can name I'd To make sure that the tursiness larger it working value, pair find we profrom unit testing & web service tests just If layor the testing if directly perform on * Service Oriented Architectual sower if Database layer contain all the data which is Totabase layer: daken form the perticular domain. if I database layer stop working we will off to face data loss, data integrify and data detica iii) To make sure that database is working find we have to perform ETL testing (extrack harfer load) I service oriented architecture supresenta all the important layer which are required in order to sun a business of It also present the type of testing bee can perform on each layer to make sweether a egyor is work (3) If we do not test each and every layer properly then, the ouseness good go for loss.

If API stand for applican pragramming interface - I the face & the sawa is API out as a bridge or commention betw two programs if With source is the machanium or of the medium of communication tion though which two opplication or mechina can exchange the data issuspective of these technology in It is also consider as the medium of commucation of who service help the application to exchange the informaform user and time lava tion with each other when sunning of on some or I what is API type testing? different platform. Desting the interface between two programms with 3 full formice help as to sharp the functionally of suspend to trunchionality extraction without one application that any other application without suspect to functionality, subability, performance and sharing the bourse code and database data. successfy is known as APS tisting If All web services one expost through API 2) Testing the application directly in business layer is called as api testing Of hehat is web service testing? → O testing request & respons of the AFT is called (3) Jesting done without the pure of browser is also called as opi tisting und similar testing otositado ant umper Petropor Petropor antes (1) is called as web remices texting.

(3) Web persices provides as to text all the API * Unit Testing: -> @ Jesting each and every line of source testing using another programm is called unit testing @ white tox testing is also suferred as unit teling at hely us service testing? 3 If oader to automate unit test case we have > If The purpose of web source testing is to verify to go for unit testing tool like Junet, Test that all of the API expose by your application is making as expected with respect to functionality -NG, Pytest performance, scale bilty and security. Example: > Antivirus application. I he service testing allow both service provides and soince sceeines to get the trafite of the application.