

Assignment: 3

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① Differentiate between the followings-

② Desktop Application Web Application

It is designed to serve stand alone machine and doesn't require internet It requires a web browser to run and internet for data transfer.

③ Compiled Languages Scripting Languages

Languages that require compilation are called compiled Languages Languages that doesn't requires compilation are called scripting Languages.

④ Interpreter Compiler

It translates the program one line at a time It translates the whole program at once.

⑤ JSON XML

It is a Lightweight data-interchange format and its completely language independent It is a markup language that defines a set of rules for encoding document in a human and machine readable format.

⑥ GET: Get is the simplest type of HTTP request method.

POST: POST is mostly utilized to create new resource.

PUT: Replaces the entire entity at given URL

PATCH: Replaces parts of the source, with the values provided.

DELETE: used to delete a resource identified by URL.

⑦ REST API and SOAP API-

Rest API have no official standard because it is an architected style.

SOAP API has official standard because it is a Protocol.

(vii) FTP, HTTP and HTTPS

FTP:- is an internet standard that allows the process of file downloading and uploading on internet.

HTTP:- is an internet standard that allows the process of transfer of webpages.

HTTPS:- uses TLS(SSL) to encrypt normal HTTP request and responses.

(viii) Search Engines and web browsers.

Search Engines:- allows you to search the internet once you have access.

web browsers:- it is your access to the internet.

(ix) Inner, Left, Right and outer SQL Join.

Inner Join selects all the rows from both tables as long as the condition satisfies.

Left Join returns all the rows of the table on the left side of the join and matching rows of the right table of join.

Right Join returns all rows on the right of join and matching rows on the left of join.

Outer join returns all the records when there is a match in left or right of the table records.

(x) RDBMS VS NO SQL.

RDBMS:- is a DBMS specifically configured for a relational database.

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it NoSQL:- is the non relational DBMS that doesn't need a fixed scheme.

s (2) Define the following.

ng (i) HTML:- HTML stands for hyper text markup language. It is the standard markup language for creating web pages also describe the structure of it.

as (ii) 3-tier architecture:- A 3-tier application architecture is a modular client server architecture that consist of presentation tier (GUI) an application tier (business logic) and a database tier (DBMS).

it (iii) Monolithic Applications:- It is built as a single unit. It describes a single tiered software application in which different components combined into a single program from a single platform.

it (iv) ORM:- It is a technique that lets you query and manipulate data from a database using object-oriented paradigm.

L (v) AJAX:- It stands for Asynchronous Javascript and XML. AJAX is a new technique for creating better, faster and more interactive web applications with the help of XML, HTML, CSS and JS.

it (vi) VPN:- It is a virtual private network an encrypted connection over the internet from a device to a network.

it (vii) SEO:- search engine optimization is a strategy for improving your site's rankings in search engine results.

Q.iii) COOKIES:- A cookie is a small amount of data generated by a website and saved by your browser on the user's device.