

Dated:

1.2 SCRIPTING LANGUAGE ? COMPILED LANGUAGES.

The theoretical difference between the two is that Scripting language do not require the compilation step and are rather interpreted. Following are the example of Scripting language are Java script, Query, CSS, whereas the example of compiled language are C, C++, C# ? many more.

Interpreter ? compiler

i	Interpreter converts a program into machine code one statement at one time	Compiler converts a program into machine code as a whole
ii	Interpreter does not create object code file	Compiler create object code file
	memory req is less	memory required more.

Dated:

1.4 JSON & XML

JSON

XML

- | | |
|---|--|
| 1. JSON is lightweight
Thus simple to read & write | XML is less simple than JSON |
| 2. JSON support array data structure. | XML donot support array data structure |
| 3. JSON files are human readable | XML files are less human readable. |
| 4. JSON has no display capabilities | XML provide the capability to display. |
| 5. NO validation | XSD Validation |

1.5 GET, POST, PUT, DELETE REQUESTS.

GET to get the resource

PUT to update

POST to insert

DELETE to delete.

GET request are the most common & widely used method in API & website. Get method is used to retrieve data from a server at the specified resource.

Dated:

POST request are used to send data to the API server to create or update a resource.

PUT request are used to send data to the API to update or create a resource. The difference is that PUT requests are idempotent.

Q6 FTP, HTTP & HTTPS:

The basic difference between HTTP & FTP is that HTTP is used to access different websites on the internet. HTTP is efficient to transfer smaller files like web program pages whereas FTP is efficient to transfer large files. HTTP does not require authentication whereas FTP uses the password.

Dated:

Q2

Three Tier Architecture

Also known as Client Server Architecture where functional processing, data processing, data storage and UI are made as independent modules.

ORM

Object Relational Mapping is a programming language data conversion plus intermediate type sys uses OOP language.

SQL Joins

Join in SQL is used to concatenate multiple tables columns or rows for ease of data access.

AJAX

Asynchronous JavaScript and XML. It is web development technique used in client side to create Asynchronous web apps.

PHP

It is a server side programming language.

SEO

Search Engine Optimization. Used to get ranking in the top search results for better traffic.

Cookies

Very Yummy Very Tasty (YIK). Small piece of data of site stored in a computer while visiting a site.

Dated:

Q No 3 Summary of the Imitation Game

Summary

Summed out of the world experience. Creativity and solution is considered as abnormal and societal pressure is hard on such individual.

A creator may solve a puzzle with his brain. He turns nothing into something. His success is ~~given~~ recognized by the society when they call him or consider him a genius. A light warning because this means they can not understand his achievement nor hope to equal the mind who made it.

The people who bring his stardom are also the ones behind his downfall. Such is a tale based on Alan Mathison Turing master of puzzle and father of the modern computer.

ed:

Question No 1

Differentiate b/w the following Example
Desktop Application and web Application

DESKTOP APPLICATION	WEB APPLICATION
Deployment and any up-gradation / Patch are done on individual client machine separately	Deployment and up-gradation for a web based application required deployment on a single set of server machine.

Desktop Application do not require the internet for their operation - Some application just require internet connectivity at the time of updation	web application rely heavily on internet connectivity for their operation
---	---

Windows file explorer Microsoft Office word Browser Adobe Photoshop	Online from Google apps Microsoft 365 etc.
---	--