**Node Js QUESTIONS**

**============================================================**

**1.What is Nodejs**

Ans:

NodeJS is a javascript runtime engine which execute javascript code in web browser with the help of V8 engine.

**2.Node vs javscript**

Ans:

Node VS Javascript:

* 1)Javascript is a programming language but NodeJs is a javascript Runtime engine.
* 2)without nodeJs javascript can run only on browser but with the help of node js javascript can run outisde of browser.
* 3)Only Javascript works in client’s side only. But node Js works mostly doing server-side task.
* 4)Javascript used in front End.but node js used for backed.

===============End ================

**3.Nodejs single threaded or multi threaded**

Ans:

NodeJS works based on single Thread.

========End =========

**4.What is Npm**

Ans:

NPM is a Node Package manager of javascript. It helps to manage the packages of Application.Like update old, install new, uninstall, downgrade etc.

========End ========

**5.What is the purpose of a database?**

Ans:

Database is a store of collection of various datas for an application. The perpose of database is to store the application required datas in a well-structured way.

========End ========

**6.What is CRUD**

Ans:

CRUD means Create, Read, UPDATE, DELETE.Generally In an application we need to works with four functionality like Sometimes we need to add new data in our application for this we use create functionality. sometimes we need to delete data for this we use delete functionality. like this we can Read and update data by using Updat and read functionality.

========End========

**7.PUT and Patch এর মধ্যে পার্থক্য কি?.**

Ans: In an application put and patch method used for updating data. They both works for updating. But there has a little bit different Between them. In put method for updating data, we first find the unique id for updating it and if data id found then it will update it but if unique id didn’t find then it will create a new data with a new ID. But patch method only update data. It will not create any new data if its not find any unique id.

========End ========

8.What is webpack

Ans:

Webpack is open-source and free module bundler for JavaScript.It will make a large number of files, it generates a single file (or a few files) that run your app. It can perform many operations: helps you bundle your resources. it can transform front-end assets such as HTML, CSS, and images if the corresponding loaders are included.

=========End =========

9.Get vs post?

Ans:

The major differences between GET and POST:

* If we do not need to to secure our file or document then Get method will be better. But in post method will secure our data to see on url.
* values are visible in the URL of GET method, but the values are not possible to see in post method.
* Get method support only stirng data type. On the other hand post method supports different data types, such as string, numeric, binary, etc.
* Get method is easy to cacheable. But in post method caching in hard.

=========End =========

10.sql vs nosql মধ্যে পার্থক্য কি? কোনটা বেশি ব্যবহার হয়

The differences between SQL and noSQL are given below:

* SQL is a RELATIONAL DATABASE MANAGEMENT SYSTEM. But no SQL is a distributed database system.
* SQL databases have fixed or static or predefined schema. On the other handl NOSQL database have dynamic schema
* SQL database are good for complex query. But noSQL database are not good for complex query.

=========End =======

11.Database design, database schema design বলতে কি বুজো?

Ans:

Database design is the Charting System of data organizing to a database model. Here The DB designer determines what data must be stored and how the data elements interrelate. With this information, they can begin to fit the data to the database model.[1] Database management system manages the data accordingly.

=========End ======

12.NodeJs ব্লকিং না নন-ব্লকিং কাজ করে

Ans:

NodeJs works based on Non-Blocking systems.

========End ========