**Q1   Write a blog on Difference between HTTP1.1 vs HTTP2**

HTTP stands for Hypertext Transfer Protocol.

As we all know why we need any update or any new version of anything.  Just random question, but very important for all of us.

As it's my first assignment I would like to tell you that I am not belongs to IT background.  Totally different but I am very interested in technology.  So that’s why I decided to make my carrier on IT.  And I know my hand is little tight in English too.  But still, I am tyring my best. And sorry for my all-grammatical mistakes too.

So, the answer is for our betterness, for our connivence, to be faster and more efficient in short for better understanding. Same for HTTP1.1 and HTTP2.

* In HTTP1.1 pages will loaded in sequence no matter how much command we will gave and in HTTP2 allows control to which page will load first.
* HTTP2 protocol is Binary protocol it means it consume less bandwidth and more effectively parsed and less error prone than the textual protocols used by HTTP1.
* Additionally, they can better handle elements such as whitespace, capitalization and line endings.
* HTTP1 used to processed text commands to complete request-respond cycles.
* HTTP2 used binary commands to execute same tasks.

**Q2 Write a blog about objects and its internal representation in JavaScript**

A JavaScript object is a collection of named value having state and behaviour.  Objects is more important data type in modern JavaScript and form a building blocks.  These objects is quite different from primitive data type (number, boolean, string, null, undefined and symbol) these primitive data type store single value each depending on their types.

Objects are more complex and each object may contain any combination of these primitive data types as well as reference data types.

Let’s have an example of my favourite dog (as his always besides me whenever I am trying to do anything) and list out its properties (Features):

Make: Dog

Bread: Labrador (Shree)

Colour: Golden white

Eating Habit: Pure Vegetarian

Weight: 7 kg

Behaviour: Sweet Natured Bread

Rating: 9/10

Taking the above as reference, I'll stress up on objects, Object properties and Methods.

1)Objects:

The following code assigns a simple value (Make) to a variable named Dog:

var Animal= "Dog";

Objects are variables too. But objects can contain many values.

The following code assigns many values (his colour, eating habit, nature soo on) to a variable named Dog:

var Dog= {Make: “Dog”, Bread: “Labrador”, Colour: “Golden White”, Eating Habit: “Pure Vegetarian” , Weight: “7 kg”, Behaviour: “Sweet Natured Bread”, Rating: 9/10};

The values are written as name: value pairs (name and value separated by a colon).

Syntax:

var <object-name> = {key1: value1, key2: value2, keyN: valueN};

So, conclusion and definition for JS objects is “JavaScript objects are containers for named values”.

2)Object Properties

The name: values pairs (in JavaScript objects) are called properties.

var Dog= {Make: “Dog”, Bread: “Labrador”, Colour: “Golden White”, Eating Habit: “Pure Vegetarian” , Weight: “7 kg”, Behaviour: “Sweet Natured Bread”, Rating: 9/10};

From the above snippet, let’s have a look what falls under property and property value:

The object properties can be different primitive values, other objects and functions.

Properties can usually be changed (daily routine(habit, workout, class)), added(weight), and inserted (his eating habit), but some are read only.

The syntax for adding a property to an object is :

ObjectName.ObjectProperty = propertyValue;

The syntax for deleting a property from an object is:

delete ObjectName.ObjectProperty;

The syntax to access a property from an object is:

objectName.property // Dog.Make

//or

objectName["property”] // Dog["Make"]

//or

objectName[expression] // x = "Make"; Dog[x]

So, Conclusion and simple definition for Java Script properties is “Properties are the values associated with a JavaScript object”.

3)Object Methods

An object method is an object property containing a function definition.

i.e.,

Let’s assume to start his diet and workout.

function () {return ignition. start}

and so similar is to start/eat/workout relax & free time, etc.

 (I’m just trying to roll a picture in your mind. That how we change each and everything in our dog/ when he will up and when he will eat. I assume you get what I want to say).

So, Conclusion and simple definition for Java Script Object methods is “Methods are actions that can be performed on objects.”.

All Thanks to the guy who gave me this Idea as I read it somewhere and its actually car example and I am converted this to my Dog. 

Thank You