**1.Write a blog on Difference**

**Creation of Object:**

* Objects can be created by several ways or syntax for Object constructor,class,prototype.
* using new keyword to create object
  + let car1 = new Object();
  + let car2 = new Car();
* using Object.create
  + const car1 = Object.create(Car);

**Accessing data in javascript object:**

* Object's data can be accessed by Dot notation(.) and square bracket[].

eg. car.brand;// TATA

car["year"]// 2021

* Key is either a string or a number. Values are collection of primitive and reference data-types.
* If the key is a number or string with space then its value can be accessed by square brackets only.

eg. person["first name"]

person["20"]

**between HTTP 1.1 vs HTTP2**

**HTTP**:

* HTTP stands for Hypertext Transfer protocol, Which is the basic method for client and server communication.
* HTTP is a request/response protocol.

**HTTP 1.1:**

* First standardised version of HTTP standard was published in 1997 for the World Wide Web.
* It is a text based protocol. It makes the request and response in a text format.
* The client(browser) request data from the server through the method (GET/POST).
* Server responds with the requested resource.For ex. send the image along with the information what it did to the request.
* It will merge all the requests in a single connection. If any request didn't get a response it results in delay or block the response for other requests.
* This protocol is still in use. But, due to the latency and performance issue it leads to creation of the latest version HTTP 2.0.

**HTTP2**:

* Improved version of the HTTP standard was published in 2015.It is based on binary protocol.
* HTTP2 aims at simplifying,speeding up and empowering across the internet.
* It supports multiplexing of request and response. If the server receives a request from the client browser it sends the data (images,text,javascript etc) at the same time.
  + - The client requests the data from the server. It will send data like image,javascript and other requested data based on prioritisation.
    - HTTP2 uses the PUSH protocol for better performance. PUSH protocol loads the next web content or data even before the client requests it.
* HTTP2 built over SPDY protocol. It will improve the performance by optimising the website loading time.

**2. Write a blog about objects and its internal representation in Javascript**

* In Javascript Objects are the unordered collection of primitive data-types or reference data-types in the form of "key":"value" pairs.
* An array is a special kind of object.
* Also the javascript object is differ from the object of different languages like C++,JAVA.

**Representation:**

* An object literals can be created with figure brackets {...} for object literals , A property is a "key:value" pair.
* An object constructor is the same as that of literals.
* Whereas the key is string or property name and value can be anything.
* Each of these keys are referred to as properties of the object.

eg:

var car = {

brand: "TATA",

year: 2021,

getBrand:function() {

return car.brand;

}

}