**JAVASCRIPT OBJECTS AND INTERNAL REPESENTATION**

**Objects are the representation of real-world entities in any language representing things by defining its properties along with their values. In java script object may be defined as an unordered collection of related data of primitive or reference types in the form of “Key: value” pairs**

**Ways to create an object in java script are as follows-**

**Object literal**

**Object literal is a comma-separated list of name-value pairs wrapped in curly braces. Object literals encapsulate data, enclosing it in tidy package.**

**var car={id:1, name:’abc’ , display: function() }**

**As evident from the above example property values can be of any data types including array literals function nested object literals, or primitive data type**

**Object. created()**

**The method creates a new object, using an existing object as the prototype of the newly created object**

**Using the object literal example as prototype-**

**Var car2 = Object create(car);**

**Car.id=2;**

**Car.name = ‘xyz’;**

**Object constructor**

**Uses full when we require to create multiple object of similar type. In this case, a constructor (kind of blue print) is created and multiple objects can be initialized using the new keyword using the constructor as a wrapper for the newly created objects**

**Construction function-**

**Function person(name,age,eye) {**

**This Name = name;**

**This. Age = age;**

**This. Eye color = eye;**

**}**

**Creating objects using constructor-**

**Var p1= new person(“john”, 50, “blue”);**

**Var p2 = new person(“sally”, 48,, “green”)**

**Object .assign()**

**It is used to copy the values and properties from one or more source objects to a target object it invokes getters and setters since it uses both [[Get]] on the source and [[set]] on the target**

**Here is an example where properties from three source objects using . assign()**

**Input : var obj1 = { a : 10 };**

**Var obj2 = { b : 20};**

**Var obj3 = { c : 30 };**

**Var new – obj = object . assign(o1, 02, o3);**

**Console.log (new-obj)**

**Output : object { a:10, b:20, c:30 }**

**Object .from Entries**

**This method transforms a list of key-value pairs into an object.**

**Const car1 = Object. from Entries(entries);**

**Console.log(car1);**

**Output: object {id: 4, color: ‘blue’}**

**]};**