Question 2: Write a blog about objects and its internal representation in JavaScript.

**Objects**, in JavaScript is one of the most fundamental data types, and they are used to store and organize data. It’s a collection of key-value {Key: Value} pairs.

Objects are variables too, however; objects can contain many values.

**The internal representation of objects in JavaScript:**

**1. Object Properties:**

Objects have properties, which are key-value pairs. The property each key is a string or symbol & each value can be any valid JS data type, including other objects.Properties can be added, modified, or deleted from an object at runtime.

Eg: var employee = {

name: "Ashwin",

age: 30,

};

console.log(employee.name);

**2. Object Methods:**

Methods are actions that can be performed on objects.An object method is an object property containing a function definition.

Eg: var employee = {

name: "Ashwin",

age: 30,

sayHello: function()

{

console.log("Hello, my name is " + this.name);

},

};

employee.sayHello();//Call the method

**3. Prototype Chain:**

JavaScript is a prototype-based language, which means JavaScript objects inherit properties and methods from a prototype.