Assignment - 1

1. What is JSON?2. Study the data that returned by the below url: https://reqres.in/api/users3. What is an Object? What is an Array in Javascript?**Ans1.**

JSON stands for JavaScript Object Notation.JSON is a lightweight format for storing and transporting dataJSON is often used when data is sent from a server to a web page JSON data is written as name/value pairs, just like JavaScript object properties. A name/value pair consists of a field name (in double quotes), followed by a colon, followed by a value: JSON names require double quotes. JavaScript names do not.

**Answer 2**JSON ObjectsJSON objects are written inside curly braces.Just like in JavaScript, objects can contain multiple name/value pairs:{"firstName":"John", "lastName":"Doe"}JSON arrays are written inside square brackets.Just like in JavaScript, an array can contain objects:"employees":[ {"firstName":"John", "lastName":"Doe"}, {"firstName":"Anna", "lastName":"Smith"}, {"firstName":"Peter", "lastName":"Jones"}]In the example above, the object "employees" is an array. It contains three objects.Each object is a record of a person (with a first name and a last name).