Q3.WRITE A BRIEF INTRO ABOUT AVAILABLE DATA TYPES IN JAVA SCRIPT

* there are 6 basic data types:

## 1) The String Data Type

The *string* data type is used to represent textual .Strings are created using single or double quotes surrounding one or more characters

Ex:-

var a = 'helooo!';

var b = “ india!";

## 2)The Number Data Type

The number data type is used to represent positive or negative numbers with or without decimal place, or numbers written using exponential notation

Ex:-

var a = 25;

var b = 80.5;

## 3)The Boolean Data Type

The Boolean data type can hold only two values: true or false. It is typically used to store values like yes (true) or no (false), on (true) or off (false), etc. as demonstrated below:

Ex:-

var a= true;

var b= false;

## 4)The Undefined Data Type

The undefined data type can only have one value-the special value undefined. If a variable has been declared, but has not been assigned a value, has the value undefined

Ex:-

var a;

var b = "Hello World!"

alert(a)

alert(b)

## 5)The Null Data Type

This is another special data type that can have only one value-the null value. A null value means that there is no value. It is not equivalent to an empty string ("") or 0, it is simply

Ex:-

var a = null;

alert(a);

var b = "Hello World!"

alert(b);

b = null; alert(b)

## 6)The Object Data Type

The object is a complex data type that allows you to store collections of data.

An object contains properties, defined as a key-value pair. A property key (name) is always a string, but the value can be any data type, like strings, numbers, booleans, or complex data types like arrays, function and other objects

Ex:-

var emptyObject = {};

var person = {"name": "Clark", "surname": "Kent", "age": "36"};

var car = { "modal": "BMW X3", "color": "white", "doors": 5

}