1. What are the Data types in JavaScript and why we use them?
2. Different types of Date types are:
3. String: used to represent sequence of characters
4. Number: represent numbers
5. Boolean: represents either true or false
6. Undefined: A variable that has not been assigned a value has the value undefined
7. Null: Represents Null type of data
8. Object: an object is a value in memory which is possibly referenced by an [identifier](https://developer.mozilla.org/en-US/docs/Glossary/Identifier).

The syntax of creating object using object literal is given below

Object= {key1 :value1,key2:value2.....keyN:valueN}

var person = {firstName:"John", lastName:"Doe", age:50, eyeColor:"blue"};

1. Function: JavaScript functions are used to perform operations.

Advantages of Function:

There are mainly two advantages of JavaScript functions.

Code reusability: We can call a function several times so it saves coding

Less coding: It makes our program compact. We don’t need to write many lines of code each time to perform a common task.

2. what is script tag?

A. The script tag is used for the scripting statements or used to point to external java script file.

3.Internal and External JavaScript?

A. Internal JavaScript: If include the JavaScript code **internally within your HTML document** itself it is java script.

External JavaScript: You can keep the JavaScript code in **a separate external file** and then point to that file from your HTML document.

**Advantages of Internal JavaScript:**

If the number of lines of JavaScript is relatively small, a web page with internal JavaScript loads faster than pages that must reference external code. This is because, as the web browser loads the page and encounters the reference to the external code, it must make a separate request to the web server to fetch the code.

**Advantages of External JavaScript:**

1. If identical code is used on several pages of a website, external JavaScript files are beneficial.
2. Storing JavaScript in external files also makes it easier to maintain websites: The pages are less cluttered, and the web developer has fewer lines of code to wade through to make necessary edits.
3. if a visitor moves to another page containing the same external JavaScript references, the second page will load faster, because the user's browser will have cached or stored the Javascript file locally.

4.Why to use JavaScript?

**Advantages of JavaScript.**

1. **Speed.** Being client-side, JavaScript is very fast because any code functions can be run immediately instead of having to contact the server and wait for an answer.
2. **Simplicity.** JavaScript is relatively simple to learn and implement.
3. **Versatility.** JavaScript plays nicely with other languages and can be used in a huge variety of applications. Unlike PHP or SSI scripts, JavaScript can be inserted into any web page regardless of the file extension. JavaScript can also be used inside scripts written in other languages such as Perl and PHP.
4. **Server Load.** Being client-side reduces the demand on the website server.
5. What are the good practices in JavaScript?
6. Avoiding Global Variables: You run the danger of your code being overwritten by any other JavaScript added to the page after yours.
7. Sticking to a strict coding style: Browsers are very forgiving JavaScript parsers.
8. Comments as much needed but not much
9. Avoid mixing with other technologies.
10. Use Shortcut Notations

In) internal and external java script