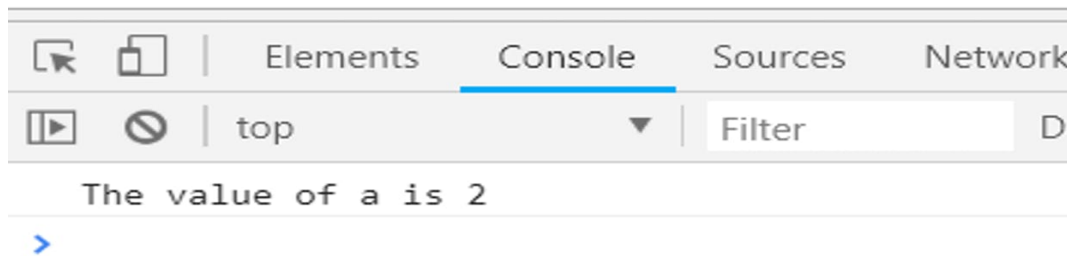


Linking Javascript with HTML

- Javascript code is written in script element.
 - `<script> </script>`
- There are two ways to write Javascript code on the client-side. One way is to write directly in html file (Internal Javascript code) and other way is to write it in the separate file and then link it with html file (external Javascript file).
- `Console.log ()` is used to print variables defined before it or prints any message.
- Console is an inbuilt object and log is a function. Console is used for testing purpose.



What is a Variable?

- Variable is a temporary memory location for storing data.
- Comments are used to understand the code in a better way.
- There are two types of comments
 - Single-line comment
 - Multiline comment.
- Variable has datatype and Identifier.

Syntax : `Datatype identifier_name = any value //Variable`

Example: `var/let name = "LetsUpgrade";`

Operations on variables

- Arithmetic Operators : `+, -, *, /`
- Assignment Operators : `=, +=, -=, /=, %=, *=`
- Comparison Operators : `<, >, <=, >=, ==, !=`
- Identity Operators : `===, !==`
- Logical Operators : `&&, ||, !`

Conditional Statements

- Conditional statements are used to take decisions based on some conditions.
- Conditional statements are if, if else, else if(multiple if statements)

if statement:

Example:

```
var num=10;
    if (num==10)
    {
        Console.log("JavaScript is amazing");
    }
```

if else statement:

Example:

[illegible]

else if statement:

Example:

```
var num=10;
    if(num==10)
    {
        console.log("JavaScript is amazing");
    }
    else if(num==12)
    {
        console.log("JavaScript is great");
    }
    else
    {
        console.log("JavaScript is awesome");
    }
}
```