

# ASSIGNMENT-2(Q2)

## 2. What is the difference between undefined and not defined in JavaScript?

- "Undefined" is a value that is assigned to a variable that has been declared but has not been assigned a value.
- For example:
  - `let x;`
  - `console.log(x); // undefined`

In this example, the variable `x` has been declared, but it has not been assigned a value. Therefore, when we log the value of `x`, we get `undefined`.

- "Not defined", on the other hand, refers to a variable that has not been declared at all.
- For example:
  - `console.log(y); // Uncaught Reference Error: y is not defined`

In this example, the variable `y` has not been declared, so when we try to log its value, we get an error.

In general, "undefined" is a more specific error message than "not defined". When we see an "undefined" error, it means that we have declared a variable, but we have not assigned it a value. When we see a "not defined" error, it means that we have not declared a variable at all.