

## Chapter 1 - Variables & Data

Just like we follow some rules while speaking english (the grammar), we have some rules to follow while writing a javascrift program. The set of these rules is ralled syntax in javascrift

What is a Variable?

A Variable is a container that stores a value.

This is very similar to the Containers used to store rice, water and oats (Treat this as an analogy!)

The value of a javascrift variable can be changed during the execution of a program

Val a = 7; literal

let a = 7; ⇒ Declaring Variables

Identifier assignment operator

Rules for Choosing variable names

- → Letters, Sigils, underscores & \$ sign allowed.
   → Must begin with a \$, or a letter.
   → Java Script reserved words cannot be used as a variable name.
   → Harry & harry are different variable (case sensitive)

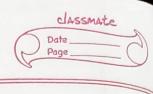
- Var vs let in JavaScript

  17 Var is globally scoped while let & const are block scoped

  27 Var san be updated & re-declared within its scope

  3. Let can be updated but not re-declared

  47 const can neither be updated nor be re-declared



5, var variables are initialized with undefined whereas let
and const variables are not initialized.
6, const must be initialized during declaration unlike
let and var Primitive Data Types & Objects
Primitive data types are a set of basic data types
in javascript
Object is a non primitive datatype in javascript These are the 7 primitive datatypes in javascript o Null o Number o String o Symbol o Undefined o Boolean o BigInt Object in JavaScript can be created as follows. Const item = 3

Rey = name: "Led Bulb", value

price: "150" -> value

3 Quick Quiz: Write a JavaScript program to store name, phone number and marks of a student cising objects.