

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)

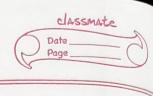
- Var vs let in JavaScript

 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

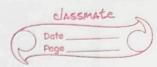


5, var variables are initialized with undefined whereas let
and const variables are not initialized.
6, const must be initialized during declaration unlike
let and var Primitive Data Types & Objects
Primitive data types are a set of basic data types
in javascript
Object is a non primitive datatype in 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.



| 1 | Create a variable of type string and try to add a number to it |
|------|--|
| | Use type of operator to find the datatype of the string in last question |
| 3 = | Create a const object in javascrift Can you change it to hold a number later? |
| | Try to add a new key to the const object in Problem 3. Were you able to do it? |
| 5 // | Write a 15 program to create a word-meaning dictionary of 5 words. |
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