

	A. A
	Chapter 1 - Practice Set
1,	Create a variable of type string and try to add a number to it
2 =	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?
4	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.



## 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

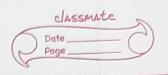


5, var variables are initialized with undefined whereas let
and const variables are not initialized.
6, const must be initialized during declaration unlike
let and var Primitive Data Types & Objects
Primitive data types are a set of basic data types
in javascript
Object is a non primitive datatype in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



## Introduction to programming

Programming is a way to talk to computers

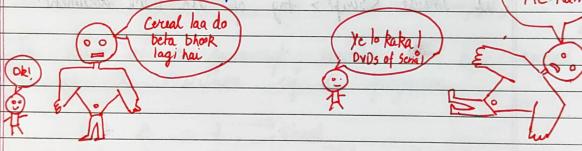
A language like Hindi, English or Bengali Lan be used to talk to a human but for computers

We need Straightforward instructions

Computer is Dump!
When was the last time you ordered some cereal and got DVDs of Serial?

He Ram

Cerual lag do



Programming is the act of constructing a program a set of precise instructions telling a computer what

What is Ecmascrift?

ECMA Script is a standard on which Javascript is based!

It was created to ensure that different documents on javascript are actually talking about the same language.

Java Script & ECMA Script can always be used interchangably
Java Script is very liberal in what it allows.



How to execute Java Script?

Java Script can be executed right inside one's browser.

You can open the javascript console and start writing javascript there Another way to execute javascript is a runtime like Node is which can be installed and used to run javascript code. Yet another way to execute joirswript is by inserting it inside < suipt > tag of an HTML document.



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