**Training**

**Date:07/01/25**

**Data types:**

**Dynamic type language:**

Two types

1. Primitive datatype
2. Non-primitive data type : Objects , Arrays

**To check the data type – typeOf**

**Primitive data type** : predefined : we can only store single values

1. Numbers : integers , floats
2. String : Stream of characters enclosed in quotes ----- single , double , backtick quotes(introduced in ES6 version)
3. Boolean : true or false
4. Null : empty value or no value
5. Undefined : declare variable with no value

**Condition** : An expression that evaluates the result(true or false)

**Conditional Statement** : To make a set instructions execute only when the conditional is true

**Block of code(conditional block)** : set of instructions . It will execute when the specific condition is True

Indentation : {

//block of code

}

***Date : 08/01/25***

**JavaScript Operators:**

1.Arithmetic Operators: +,-,\*,/,%,\*\*,++,--

2.Assignment Operators : += , -= , /= , %=

3.Logical Operators : && , || , !

4.Relational Operators : < , > , >= , <= , == , === , != , !===

**Conditional Operator ; Ternary Operator(?)**

First evaluates an expression for a true or false ;

Condition ? e1 : e2

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**Conditional Statements:**

* To make the set instructions(block of code)(conditional block) execute only when the given condition is true
* Used to decide whether the code has to be executed or skip based on the given condition
* Line-line sequence

**Block of code**: set of instructions

It will execute only when the specific condition is true

**Condition** : An expression that evaluates an result(True or False)

Ex : console.log(5>6)

**Methods:**

**If**: only one possible condition

If the condition is true it will execute