

# Arithmetic Operators

Operators	Meaning	Example	Result
+	Addition	4+2	6
-	Subtraction	4-2	2
*	Multiplication	4*2	8
/	Division	4/2	2
%	Modulus operator to get remainder in integer division	5%2	1

✓ 2/2 ITEMS SELECTED

REMOVE

MOVE TO WISHLIST



Allen Solly

Men Textured Slim Fit Mid-Rise Trousers

Sold by: Westbury Holdings Pvt Ltd\_Madura

Size: 32 ▾

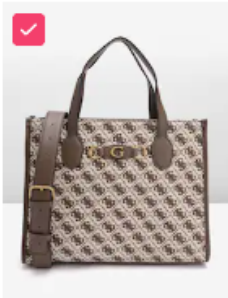
Qty: 1 ▾

₹ 1,474 ~~₹2,499~~ 41% OFF

Coupon Discount: ₹29

🕒 14 days return available

✓ Delivery by 8 Oct 2023



GUESS

Brand Logo Woven Design Structured Handheld Bag

Sold by: Supercom Net

Size: Onesize ▾

Qty: 1 ▾

9 left

₹ 14,039 ~~₹15,599~~ 10% OFF

Coupon Discount: ₹272

🕒 7 days return available

🚚 Delivery by 3 Oct 2023



## COUPONS



1 Coupon applied

You saved additional ₹301

EDIT

## GIFTING & PERSONALISATION



Yay! Gift Wrapping applied

Your order will be gift wrapped with your personalised message

REMOVE

EDIT MESSAGE

## PRICE DETAILS (2 Items)

Total MRP ₹18,098

Discount on MRP -₹2,585

Coupon Discount ⓘ -₹301

Gift Wrap Charges ₹25

Convenience Fee **Know More** ₹20

**Total Amount ₹15,257**

PLACE ORDER

# Order of Operations

<b>B</b>	<b>O</b>	<b>D</b>	<b>M</b>	<b>A</b>	<b>S</b>
Bracket	Order	Divide	Multiply	Add	Subtract
( )	$\sqrt{x} x^2$	$\div$ or $\times$	$+$ or $-$		
Parentheses	Exponents	Multiply	Divide	Add	Subtract
<b>P</b>	<b>E</b>	<b>M</b>	<b>D</b>	<b>A</b>	<b>S</b>

$$9 \div 3 \times 2 \div 6$$


$$8 - 5 + 7 - 1$$

✓ 2/2 ITEMS SELECTED

REMOVE

MOVE TO WISHLIST



Allen Solly

Men Textured Slim Fit Mid-Rise Trousers

Sold by: Westbury Holdings Pvt Ltd\_Madura

Size: 32 ▾

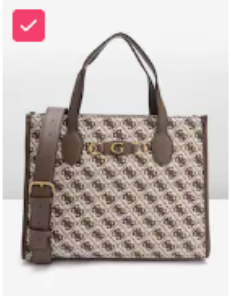
Qty: 1 ▾

₹ 1,474 ~~₹2,499~~ 41% OFF

Coupon Discount: ₹29

🕒 14 days return available

✓ Delivery by 8 Oct 2023



GUESS

Brand Logo Woven Design Structured Handheld Bag

Sold by: Supercom Net

Size: Onesize ▾

Qty: 1 ▾

9 left

₹ 14,039 ~~₹15,599~~ 10% OFF

Coupon Discount: ₹272

🕒 7 days return available

🚚 Delivery by 3 Oct 2023



## COUPONS



1 Coupon applied

You saved additional ₹301

EDIT

## GIFTING & PERSONALISATION



Yay! Gift Wrapping applied

Your order will be gift wrapped with your personalised message

REMOVE

EDIT MESSAGE

## PRICE DETAILS (2 Items)

Total MRP ₹18,098

Discount on MRP -₹2,585

Coupon Discount ⓘ -₹301

Gift Wrap Charges ₹25

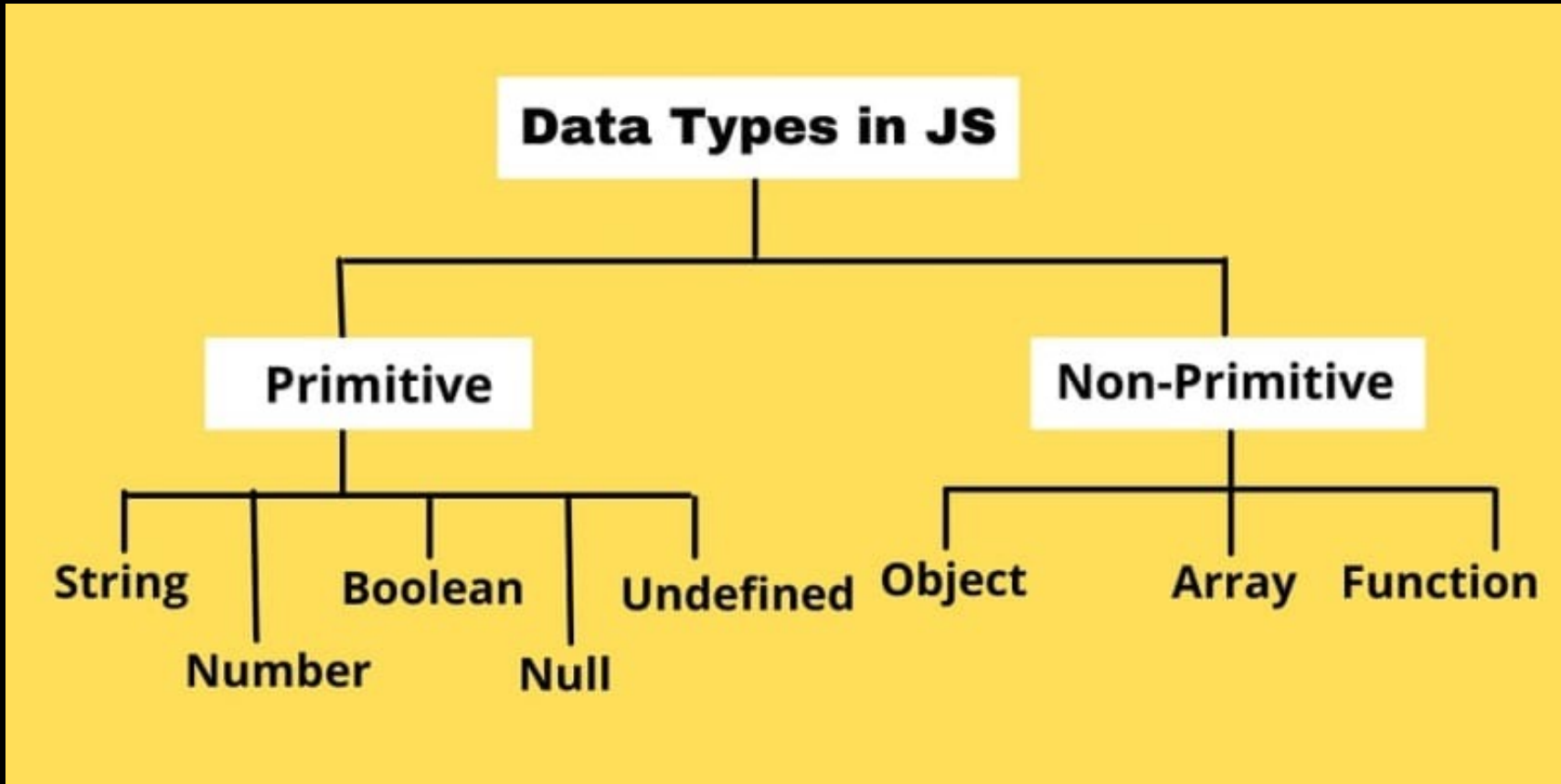
Convenience Fee **Know More** ₹20

**Total Amount ₹15,257**

PLACE ORDER

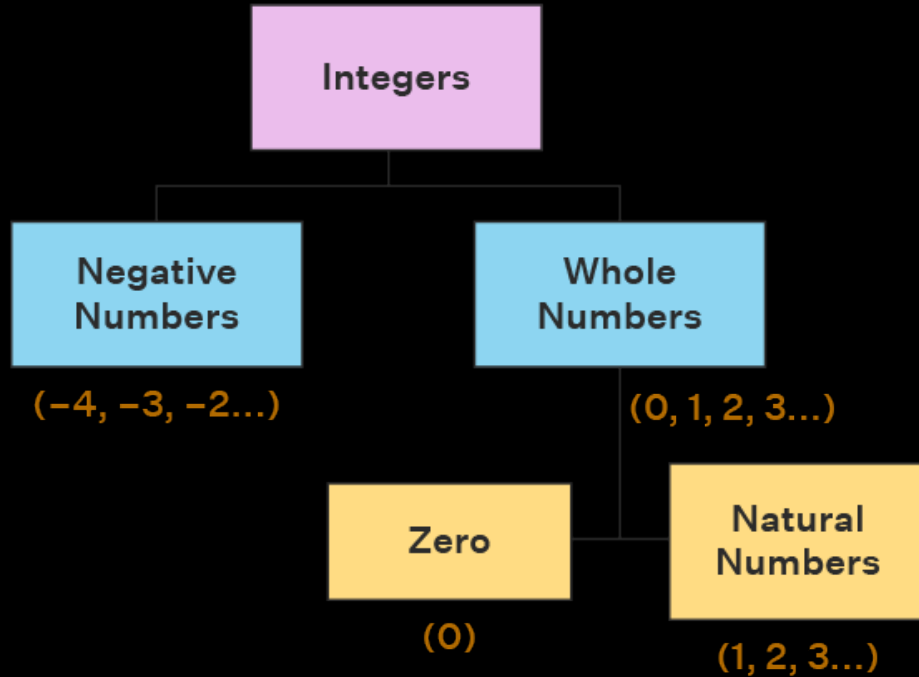
# Primitive Types

(What are Data Types)



Primitive types in JavaScript are the most basic data types that are not objects and have no methods. They are immutable, meaning their values cannot be changed.

# Types of Numbers (Integers & Floats)



# Types of Numbers (Float Problems)

Sources Elements

top ▼ Filter

```
> 0.1+0.2
```

```
< 0.30000000000000004
```

```
> 45.1 + 8.2
```

```
< 53.3
```

```
> Math.round(53.3)
```

```
< 53
```

```
> |
```

1. JavaScript has many problems with float operations.
2. We can use `Math.round()` to convert floats to integers.
3. Always do money calculation in Paisa instead of Rupees

# Don't **learn** syntax



MDN web docs

moz://a

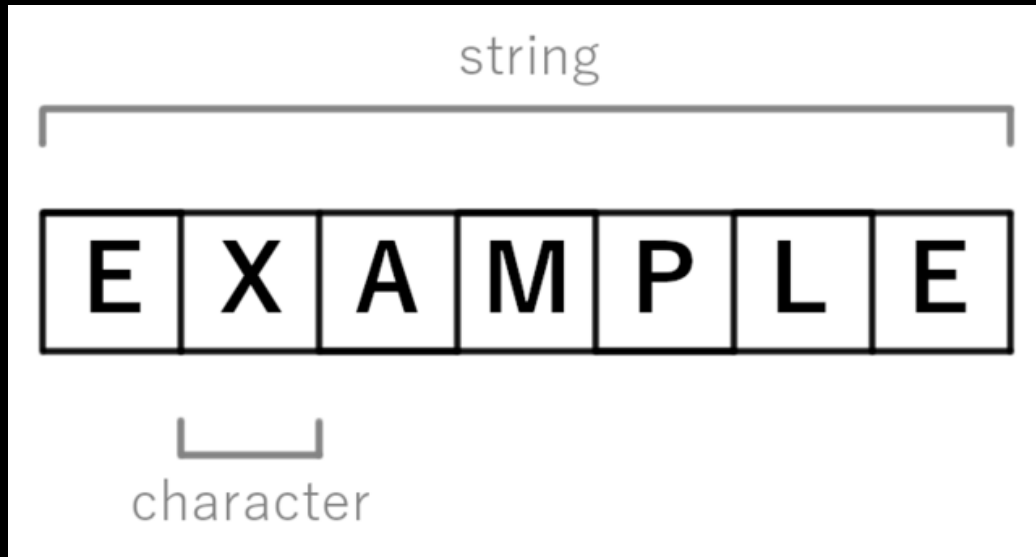


ChatGPT

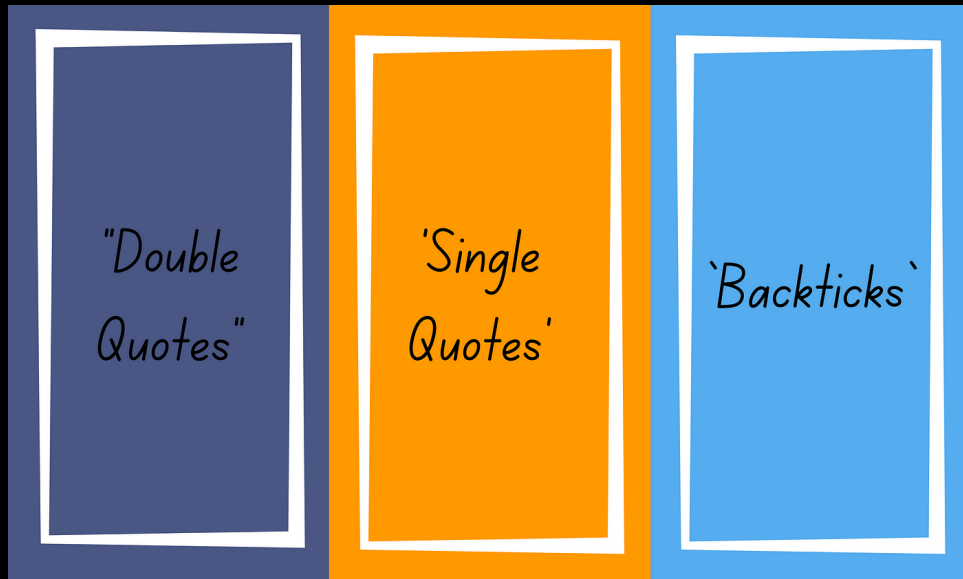
1. **Google:** Quick answers to coding problems.
2. **MDN:** In-depth guides and documentation.  
<https://developer.mozilla.org/>
3. **ChatGPT:** Real-time assistance for coding queries.
4. **Focus:** Understand concepts, not just syntax.



# Strings

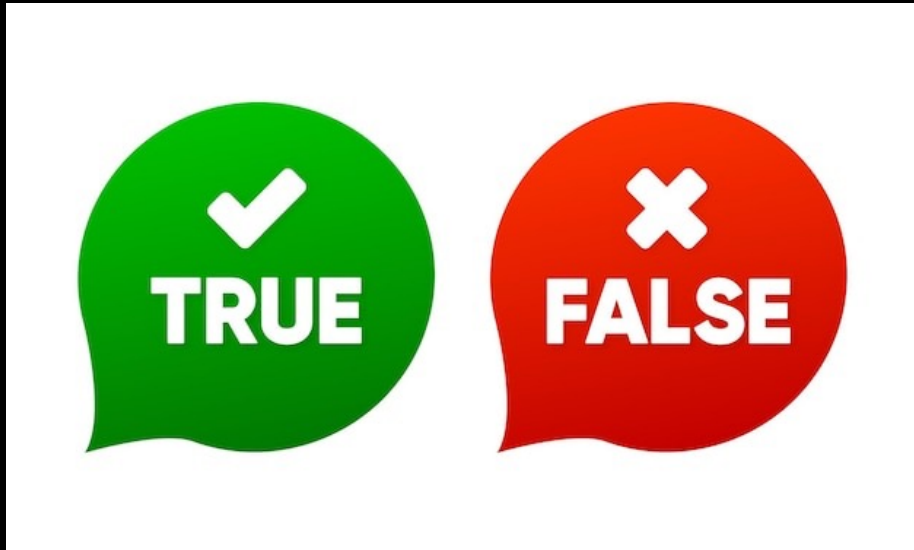


1. Strings hold **textual data**, anything from a single character to paragraph.
2. Strings can be defined using **single quotes** `'`, **double quotes** `"`, or **backticks** ```. Backticks allow for template literals, which can include variables.
3. You can combine (**concatenate**) strings using the `+` operator. For example, `"Hello" + " World"` will produce `"Hello World"`.



# Primitive Types

(Boolean)



1. **Data Type:** **Booleans** are a basic data type in JavaScript.
2. **Two Values:** Can only be **true** or **false**.
3. **'true'** is a String not a Boolean

# Primitive Types

(Null vs Undefined)

## ⇒ NULL vs UNDEFINED

THOUGH BOTH ARE NULLISH & FALSY VALUE

`null !== undefined`

• no value, on purpose

# the type is `object`

# equal to 0 (zero)

the bowl  
is empty

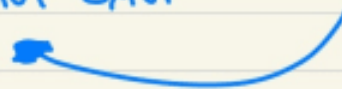


• declared, but not yet defined

# the type is `undefined`

# equal to `NaN` (Not A Number)

even, the bowl  
is not exist



# Type Of Operator

JS

typeof function

typeof 'this is a string'

'string'

typeof 12345

'number'

typeof (11 === 11)

'boolean'

1. **Check Type:** Tells you the data type of a variable.
2. **Syntax:** Use it like **typeof** variable.
3. **Common Types:** Returns "number," "string," "boolean," etc.

# Practice Exercise

## Numbers & Strings

1. At a restaurant you ate: 1 Dal ₹ 100, 2 Roti ₹10 each, 1 Ice Cream ₹30, calculate and display the final bill amount.
2. Calculate 18% GST on iPhone15 ₹79,990 and 2 AirPods Pro ₹24990 each.
3. Create strings using all 3 methods.
4. Concatenate String with Strings, and String with numbers.
5. Create Order Summary String for our Myntra Cart.
6. Display order summary in a popup

