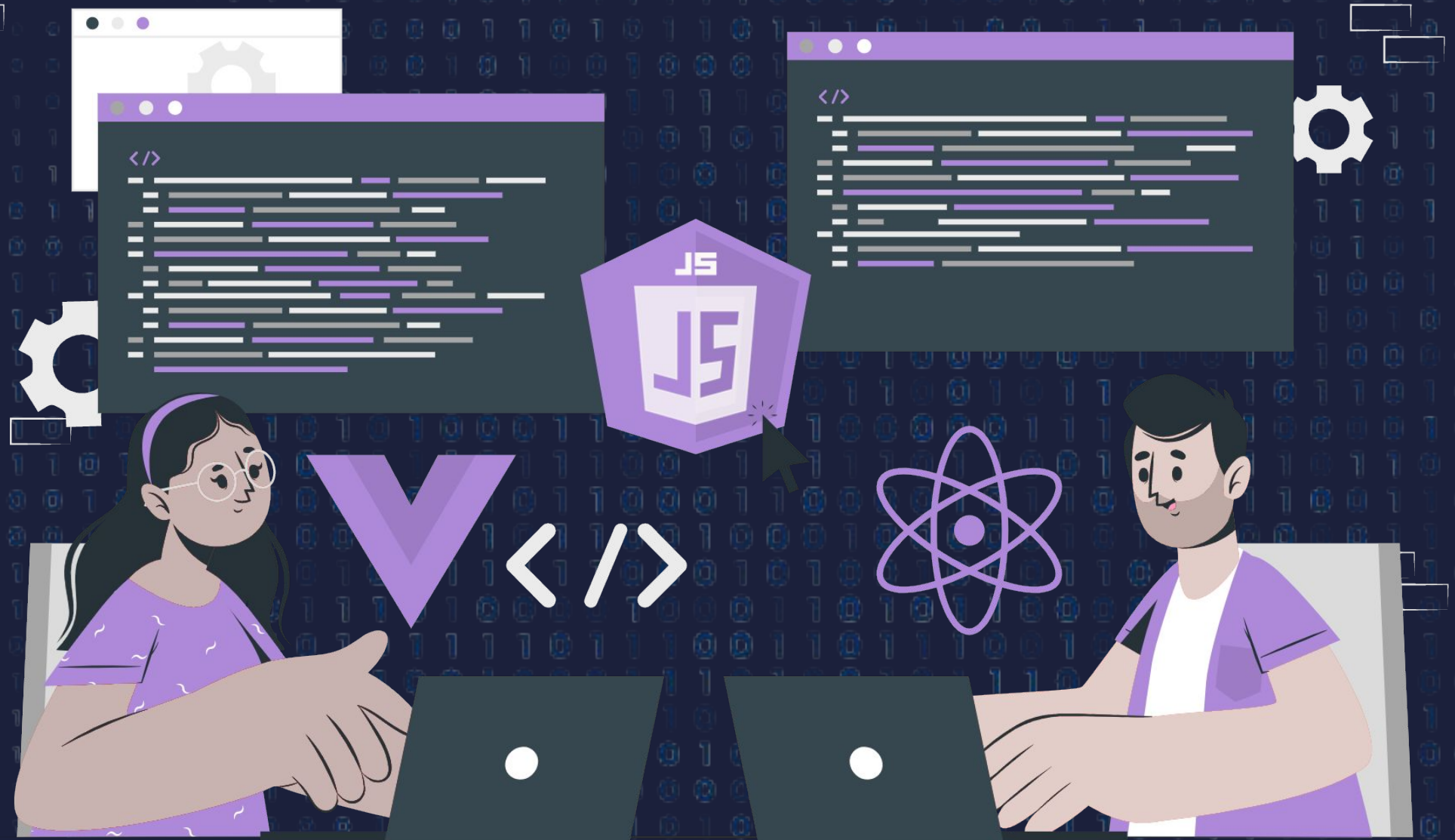# PW SKILLS

Creating object and manipulating values in object

List of content

1. Creating an object

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Creating an object

There are majorly 3 ways to create an object in javascript :

1. By object literal

2. By creating an instance of Object directly (using new keyword)

3. By using an object constructor (using new keyword)

By object literal

Syntax:

object={name1:value1, name2:value2.....name N:valueN}

By creating instance of object directly

Syntax:

var objectname=new Object();

Here, **new** keyword is used to create object.

By using an object constructor

Here, we create function with arguments.

Each argument value can be assigned in the current object by using **this** keyword.

Manipulating values in object

In data manipulation, we will cover the following:

- Accessing data

- Adding Data

- Changing data

- Deleting data

Accessing data

We can use either dot notation or square bracket notation to access object properties or alter values.

Format for dot notation: objectName.propertyName.

Format for dot notation: objectName.propertyName.

Format for the square bracket notation: objectName['propertyName'].

Adding Data

- It is simple to add additional key-value pairs to an existing object.

- Dot notation or square bracket notation can be used to accomplish that.

Changing data

Sometimes all an object needs is a simple value change.

We accomplish this using dot notation or square bracket notation, just as we do when adding new data.

Deleting data

Data in an object can only be deleted with one method.

It is done using the keyword delete.

Data is not lost if we use undefined or null; the key is kept but the value is altered.