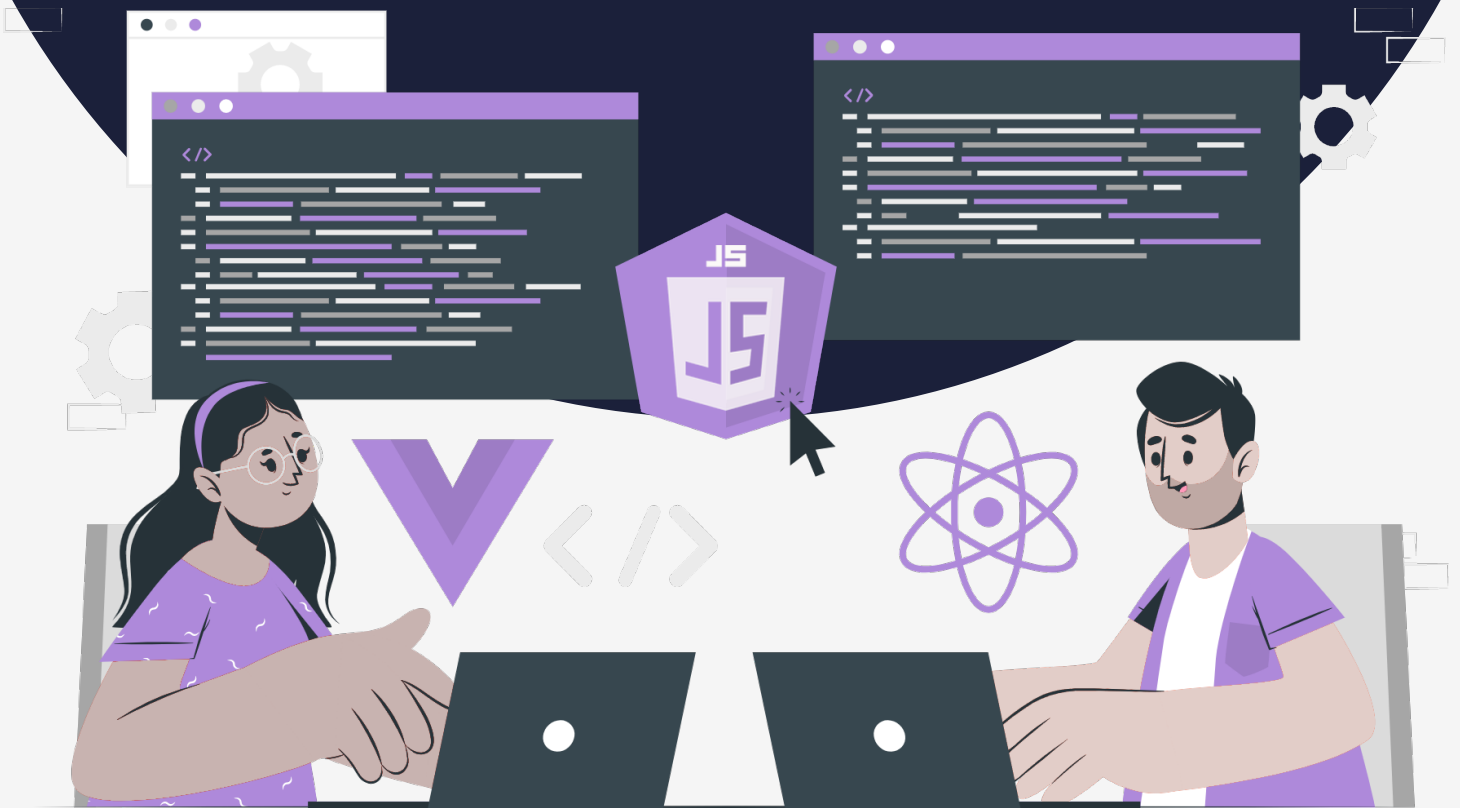


Lesson:

Self-invoking functions



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1. What is a self-invoking function with examples

What is a self-invoking function?

A function that invokes itself immediately after its definition is referred to as a self-invoking (or self-executing) function.

A second set of parentheses follows the set of parentheses surrounding the anonymous function (which performs the execution).

Syntax:

```
(function (parameters) {
    //body of the function
})(arguments);
```

Example :

```
(function(){
    console.log(Math.PI);
})();
```

Output:

```
[Running] node "c:\Users\A
3.141592653589793

[Done] exited with code=0
```

Without the need for global variables, self-invoking functions are helpful for initialization tasks and one-time code runs.

The example below demonstrates how parameters can also be supplied to self-invoking functions.

```
(function(x){
    console.log(x);
})("Welcome to PW Skills !");
```

Output:

```
[Running] node "c:\Users\ACE
Welcome to PW Skills !

[Done] exited with code=0 in
```