

**Lesson:**

# **Self-invoking functions**

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## 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:

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: