

Difference Between Call & Apply

Call() Method:

It calls the method, taking the owner object as argument. The keyword this refers to the 'owner' of the function or the object it belongs to. We can call a method which can be used on different objects.

Syntax:

```
object.objectMethod.call( objectInstance, arguments )
```

Parameters:

- Object Instance: It holds the instance of an object.
- Arguments: The call() method takes the comma separated arguments.

Apply() Method:

The apply() method is used to write methods, which can be used on different objects. It is different from the function call() because it takes arguments as an array.

Syntax:

```
object.objectMethod.apply(objectInstance, arrayOfArguments)
```

Parameters:

- Object Instance: It holds the instance of an object.
- Array Of Arguments: The apply() method takes the array of arguments.

The Difference

While the syntax of **.apply()** and **.call()** are almost identical, the fundamental difference is that call() accepts an argument list, while apply() accepts a single array of arguments.

```
<!DOCTYPE html>
<html>
  <head>
    <body>
      <script>
        var p = {
          q: "Hello"
        }
        function showResult(v) {
          document.write(this.q + " " + v);
        }
        showResult.call(p, "Amit"); // one or more objects as argument
        showResult.apply(p, ["World"]); // array as the second argument
      </script>
    </body>
  </head>
</html>
//output:- Hello AmitHello World
```

