**JavaScript Module Design Pattern**

It is a common way to organize code in your applications. It can be used to provide encapsulation leading to better code reuse, easier maintenance, and the removal of variables and functions out of the global scope. It provides ability to implement pivate methods and expose public method as needed.

The structure of module pattern:

Var Themodule= function(){

//private variables

//private functions

return{

//public functions

};

};

E.g.

<!DOCTYPE html>

<html>

<head>

<title>module example</title>

</head>

<body>

<div class="container">

<h1>This is some text</h1>

</div>

<script>

var UIcontroller= (function(){

//Private variables and methods

var text='Changed the h1.';

var textChange= function(){

var element= document.querySelector('h1');

element.textContent=text;

}

//return public functions and variables

return{

callTextChange: function(){

textChange();

console.log(text);

}

}

})();

UIcontroller.callTextChange();

</script>

</body>

</html>