

Assignment - 3 Web Dev

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Debugging in JS

Debugging is not easy. But fortunately, all modern browsers have a built-in Javascript debugger. Built-in debuggers can be turned on and off, forcing errors to be reported to the user.

There are mainly 3 methods in debugging JS:

1. `console.log()` method.
2. setting breakpoints
3. the debugger keyword.

1. `console.log()` method.

This is a function in Javascript which is used to print any kind of variables defined before in it or to just print any message that needs to be displayed to the user.

Syntax :-

```
console.log(A);
```

2. setting breakpoints

In the debugger window, you can set breakpoints in the Javascript code. At each breakpoint, Javascript will stop executing and let you examine Javascript values. After examining values, you can resume the execution of code.

3. The debugger keyword

This stops the execution of Javascript and calls the debugging function. This is a same function as setting a breakpoint in the debugger. If no debugging is available, the debugger statement has no effect. With the debugger on, this code will stop executing before it executes the third line

Syntax: debugger;

MVC

The model-view-controller pattern of designing software was one of the first architectural design-patterns based on the responsibilities of its component software constructs.

The three components included by name in the pattern are :-

- The model, which describes the behavior of the application regarding data, logic and rules.
- The view, which includes any information that the application may output and the controller, which accepts and translates input