

# MERN

## FULL STACK WEB DEVELOPMENT COURSE.

### ASSIGNMENT:01

Name the popular browsers and their JavaScript engines?

1. (Chrome):

Chrome uses a V8 engine as JS engine. V8 uses a JIT compiler called Ignition and a more optimizing JIT compiler named. Turbofan. Ignition is responsible for quickly parsing and executing code, while Turbofan performs more aggressive optimization on frequently executed code to improve performance.

2. (Firefox):

Mozilla Firefox uses Spider Monkey as JS engine. Spider Monkey utilizes the Ion Monkey JIT compiler, which optimizes JavaScript code for execution. It compiles JavaScript to machine code, making it faster to run.

3. (Safari):

Safari uses JavaScript Core as JS engine. JavaScript Core uses the Nitro JavaScript engine, which includes a JIT **JavaScript Core** compiler known as the Low-Level Interpreter (LL-Int) for rapid execution and the optimizing Just-In-Time (JIT) compiler for performance improvements.