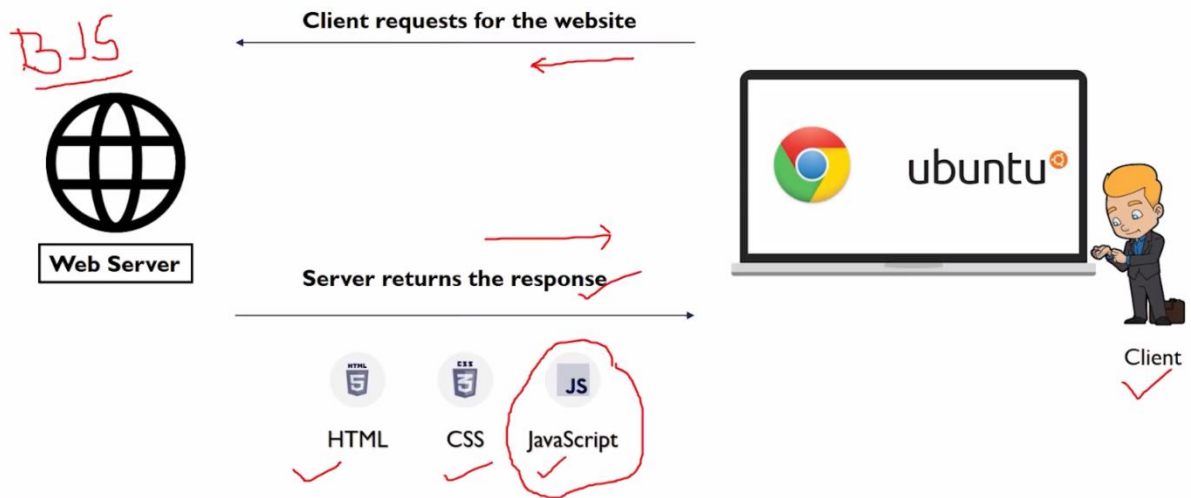


HOW WEBSITES WORK?



BJS – Background JavaScript

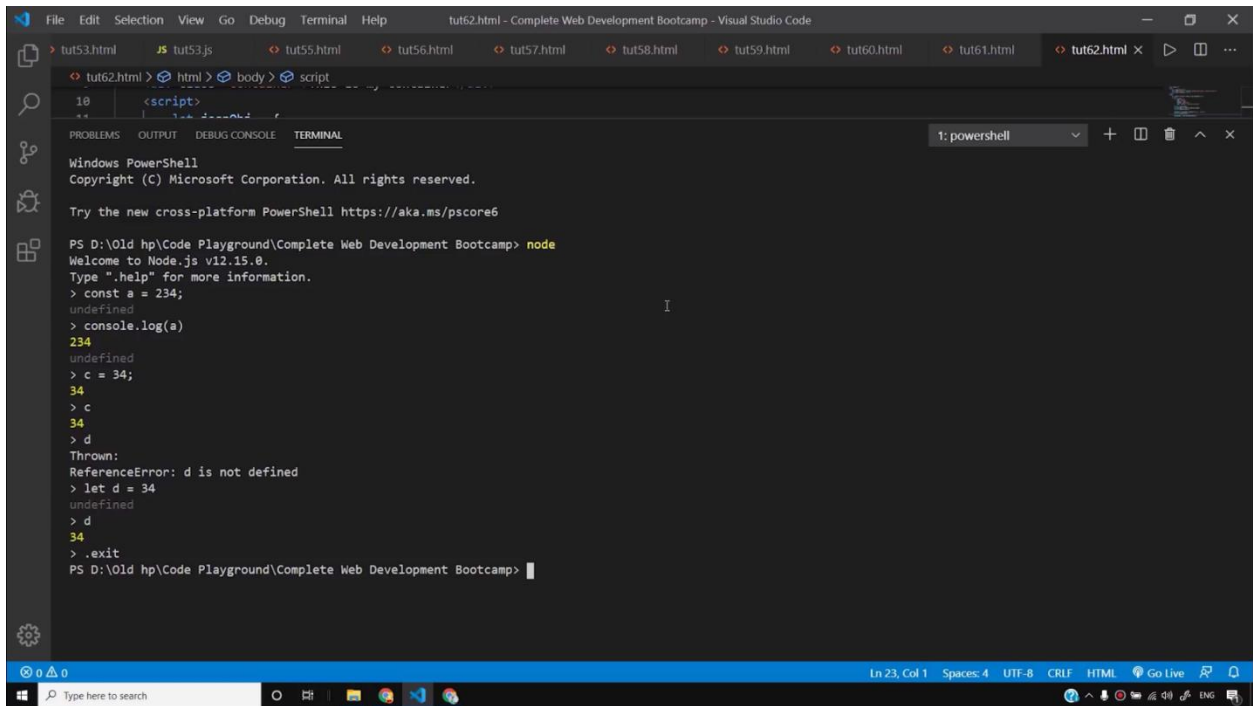
WHAT IS NODE.JS?

- ✓ Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.
- ✓ Node.js is designed to build scalable network applications.
- ✓ Node.js can be downloaded from the official Node.js web site: <https://nodejs.org>
- ✓ Node.js is free and an open source server environment.
- ✓ Node.js allows us to run JavaScript on the server.
- ✓ Node.js can run on multiple OS

WHY USE NODE.JS?

- ✓ You can use JavaScript in the entire stack.
- ✓ Many famous companies use node.js as their backend
- ✓ Nodejs comes with a lot of useful built in modules
- ✓ Node.js is fast

To run a program in nodeJS, open terminal and type “node fileName”



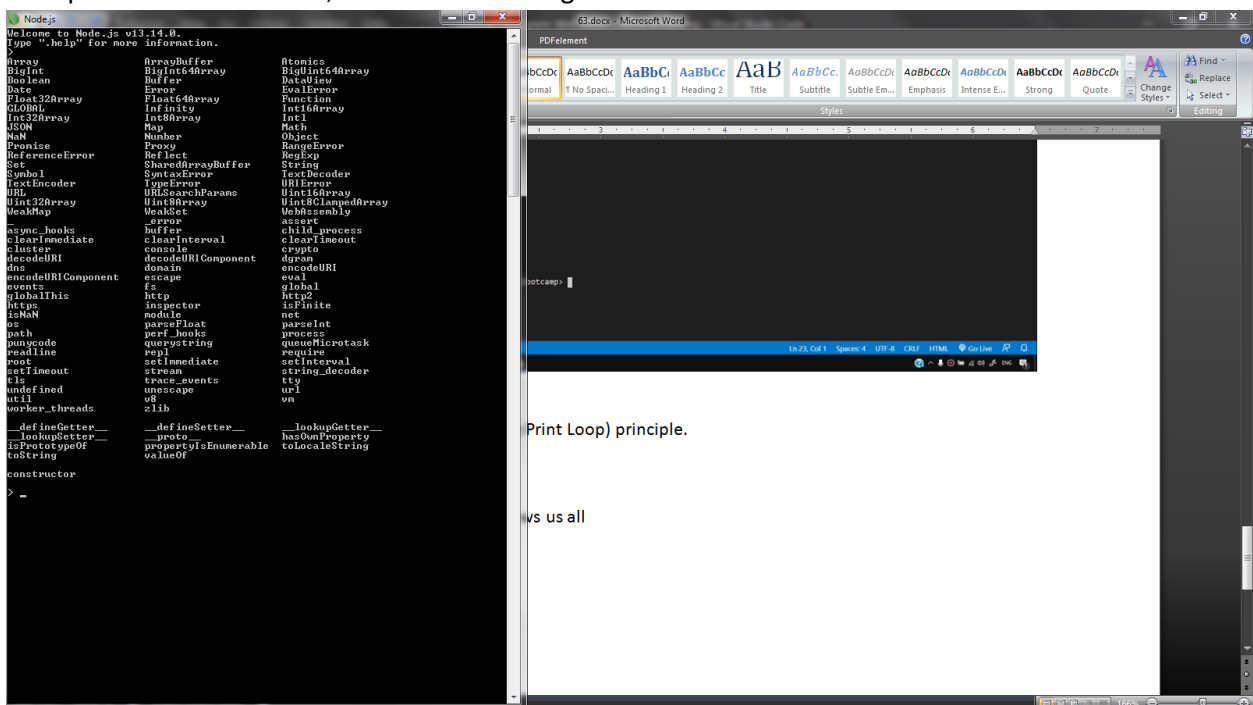
The screenshot shows a Visual Studio Code window with a terminal open. The terminal is running Node.js commands in a PowerShell environment. The commands and their outputs are as follows:

```
PS D:\Old hp\Code Playground\Complete Web Development Bootcamp> node
Welcome to Node.js v12.15.0.
Type ".help" for more information.
> const a = 234;
undefined
> console.log(a)
234
undefined
> c = 34;
34
> c
34
> d
Thrown:
ReferenceError: d is not defined
> let d = 34
undefined
> d
34
> .exit
PS D:\Old hp\Code Playground\Complete Web Development Bootcamp>
```

press “.exit” to exit the terminal

Node js works on REPL (Read Evaluate Print Loop) principle.

If we press “tab” two times, it will shows us all global variables.



We can use `_` to access previous variable.