

## Comparison

As we can see our tiny array is much faster for insert than for append

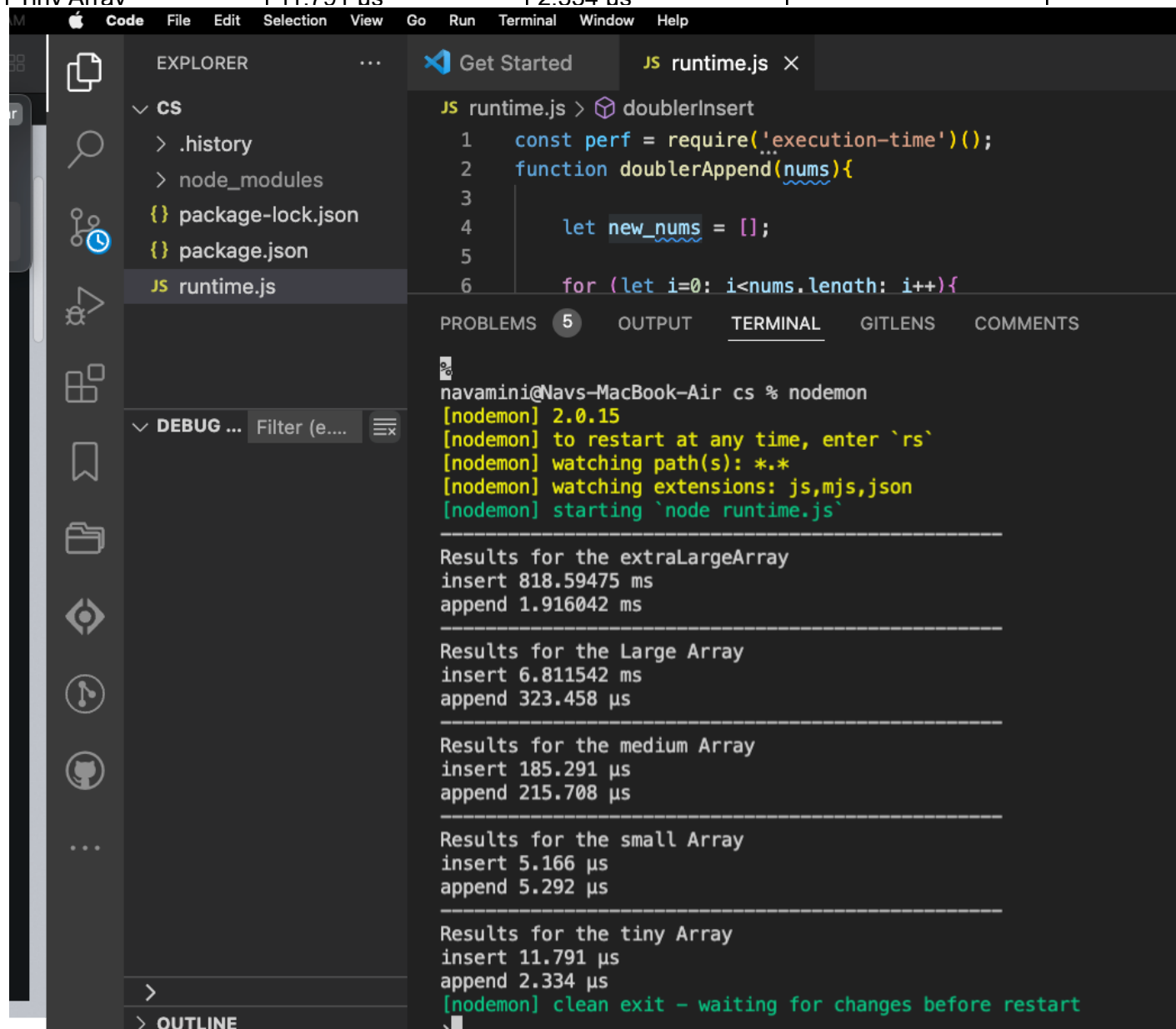
Small array shows almost same time complexity with insert being slightly faster

For medium Array, the result for append is quite faster at 215. Mu Second

For large Array, Append takes 6.9 Mu second while 323.458 Mu second

For ExtrLargeArray insert function takes 818.5 MU Second while Append Function is much faster at 1.9 MU second

	Insert	Append	
Extra Large Array	818.59475 ms	1.916042 ms	
Large Array	6.811542 ms	323.458 µs	
Medium Array	185.291 µs	215.708 µs	
Small Array	5.166 µs	5.292 µs	
Tinv Array	11.791 µs	2.334 µs	



The screenshot shows the VS Code editor with the file `runtime.js` open. The code defines a `doublerInsert` function that benchmarks insert and append operations on arrays of different sizes. The terminal output shows the results of running `node runtime.js` using nodemon. The results are as follows:

```
Results for the extraLargeArray
insert 818.59475 ms
append 1.916042 ms

Results for the Large Array
insert 6.811542 ms
append 323.458 µs

Results for the medium Array
insert 185.291 µs
append 215.708 µs

Results for the small Array
insert 5.166 µs
append 5.292 µs

Results for the tiny Array
insert 11.791 µs
append 2.334 µs
```

The terminal also shows the nodemon startup message and the command `node runtime.js` being executed.