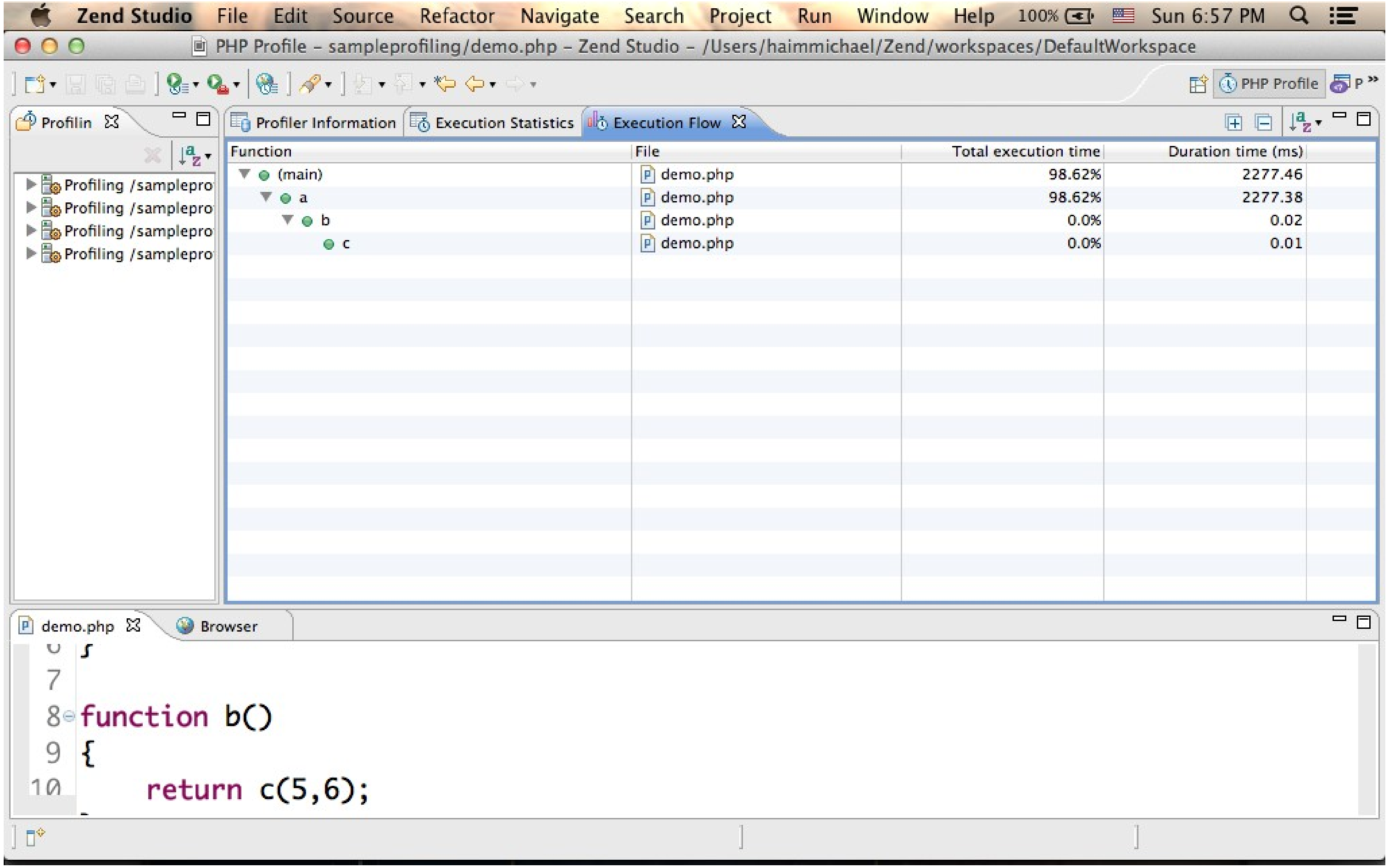
# Performance

# Code Profiling

- When profiling our code we will find what is causing it to be slow. There are more than a few profiling tools we can use.
- The Zend Studio is already bundled with a profiling tool easy to use.

YouTube™

# Code Profiling



| Function | File | Total execution time | Duration time (ms) |
|---|---|---|---|
| (main) | demo.php | 98.62% | 2277.46 |
| a | demo.php | 98.62% | 2277.38 |
| b | demo.php | 0.0% | 0.02 |
| c | demo.php | 0.0% | 0.01 |

```
}

function b()
{
    return c(5,6);
```

# Caching

- When using caching then instead of regenerating a web page each and every time a request for that page arrives, the PHP script generates it the first time it is asked to and then it stores a copy. The next time a request for the very same page arrives the static page that was already created is sent back.

# Caching

- There are various ways for implementing caching in our web application. The simplest would be implementing it by ourselves in our code.
- When implementing caching by ourselves it is highly important to regenerate the web pages when needed.
- There are cases in which caching is not relevant (search engines, forums etc.).