1   Problem 1

1.1   Problem 1.a

My computer supports 4 concurrent threads. I used the following code example from cppreference.com:

```cpp
#include <iostream>
#include <thread>

int main() {
    unsigned int n = std::thread::hardware_concurrency();
    std::cout << n << " concurrent threads are supported.\n";
}
```

1.2   Problem 1.b