```cpp
#include <iostream>
#include <ctime>
#include <ratio>
#include <chrono>
using namespace std;

int main ()
{
  using namespace std::chrono;

  high_resolution_clock::time_point t1 = high_resolution_clock::now();

  cout << "printing out 1000 stars...\n";
  for (int i=0; i<1000; ++i) cout << "*";
  cout << endl;

  high_resolution_clock::time_point t2 = high_resolution_clock::now();

  duration<double, std::nano> time_span_nano = t2 - t1;
  duration<double, std::micro> time_span_micro = t2 - t1;
  duration<double, std::milli> time_span_milli = t2 - t1;

  cout << "It took me " << time_span_nano.count() << " nanoseconds." << endl;
  cout << "It took me " << time_span_micro.count() << " microseconds." << endl;
  cout << "It took me " << time_span_milli.count() << " milliseconds." << endl;
  cout << endl;

  return 0;
}
```