```cpp
#include <stdio.h>
#include <stdlib.h>
#include <iostream>
#include <chrono>

int find_average(int a[], int n)
{
  int sum = 0;
  for(int i = 0; i < n; i++)
  {
    sum += a[i];
  }
  sum /= n;
}

int main()
{

  auto start = std::chrono::high_resolution_clock::now();

  //int my_array[] = {2, 7, 10, 15, 32, 6};
  //int my_array_size = 6;
  int my_array[50000];
  int my_array_size = 50000;
  //int my_array[10000];
  //int my_array_size = 10000;
  for (int i = 0; i < my_array_size; i++)
  {
    /* code */
    my_array[i] = i;
  }

  printf("%d", find_average(my_array, my_array_size));

  auto end = std::chrono::high_resolution_clock::now();
  auto duration = std::chrono::duration_cast<std::chrono::microseconds>(end - start);
  std::cout << "Execution Time: " << duration.count() << " microseconds" << std::endl;

  return 0;
}
```

EMS 1 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
:\Users\joemi\repos\381C\output> & .\'Untitled-1.exe'
xecution Time: 998 microseconds
:\Users\joemi\repos\381C\output> cd 'c:\Users\joemi\repos\381C\output'
:\Users\joemi\repos\381C\output> & .\'Untitled-1.exe'
xecution Time: 987 microseconds
:\Users\joemi\repos\381C\output> cd 'c:\Users\joemi\repos\381C\output'
:\Users\joemi\repos\381C\output> & .\'Untitled-1.exe'
9Execution Time: 0 microseconds
:\Users\joemi\repos\381C\output> cd 'c:\Users\joemi\repos\381C\output'
:\Users\joemi\repos\381C\output> & .\'Untitled-1.exe'
9Execution Time: 0 microseconds
:\Users\joemi\repos\381C\output>
```