Matrix Multiply

```
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\matrixMul> ./a
Matrices allocated successfully.
Ticks                : 215905
TotalDays            : 2.49890046296296E-07
TotalHours           : 5.99736111111111E-06
TotalMinutes         : 0.000359841666666667
TotalSeconds         : 0.0215905
TotalMilliseconds : 21.5905


Ticks                : 215905
TotalDays            : 2.49890046296296E-07
TotalHours           : 5.99736111111111E-06
TotalMinutes         : 0.000359841666666667
TotalSeconds         : 0.0215905
TotalMilliseconds : 21.5905
Ticks                : 215905
TotalDays            : 2.49890046296296E-07
TotalHours           : 5.99736111111111E-06
TotalMinutes         : 0.000359841666666667
Ticks                : 215905
TotalDays            : 2.49890046296296E-07
TotalHours           : 5.99736111111111E-06
TotalMinutes         : 0.000359841666666667
Ticks                : 215905
TotalDays            : 2.49890046296296E-07
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TotalHours           : 5.99736111111111E-06
Ticks                : 215905
TotalDays            : 2.49890046296296E-07
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TotalDays            : 2.49890046296296E-07
TotalHours           : 5.99736111111111E-06
Ticks                : 215905
TotalDays            : 2.49890046296296E-07
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TotalDays            : 2.49890046296296E-07
TotalHours           : 5.99736111111111E-06
TotalMinutes         : 0.000359841666666667
TotalSeconds         : 0.0215905
TotalMilliseconds : 21.5905


PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\matrixMul> ./a
Matrices allocated successfully.
Matrices initialized successfully.
Matrix multiplication complete!
Resulting Matrix C:
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\matrixMul>
```

Sum Array

```
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1> Measure-Command {./arraysum.exe}


Days              : 0
Hours             : 0
Minutes           : 0
Seconds           : 0
Milliseconds      : 33
Ticks             : 338745
TotalDays         : 3.92065972222222E-07
TotalHours        : 9.40958333333333E-06
TotalMinutes      : 0.000564575
TotalSeconds      : 0.0338745
TotalMilliseconds : 33.8745



PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1> .\arraysum
Total Sum: 50005000
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1>
```

N Queens:

```
.....Q..
..Q.....
......Q.
.Q......
.......Q
....Q...
Q.......
...Q....

...Q....
......Q.
..Q.....
.......Q
.Q......
....Q...
Q.......
.....Q..

...Q....
.Q......
......Q.
..Q.....
....Q..
.......Q
....Q...
Q.......

....Q...
.Q......
...Q....
......Q.
..Q.....
.......Q
.....Q..
Q.......

..Q.....
....Q...
.Q......
.......Q
.....Q..
...Q....
......Q.
Q.......

..Q.....
.....Q..
...Q....
.Q......
.......Q
....Q...
......Q.
Q.......

PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\Nqueens>
```

```
PS C:\Users\micha\Documents\DSU FILES\CSC 410 PARRALELL COMPUTING\Assignment 1\Nqueens> Measure-Command {./mainQ.exe}


Days              : 0
Hours             : 0
Minutes           : 0
Seconds           : 0
Milliseconds      : 25
Ticks             : 253070
TotalDays         : 2.92905092592593E-07
TotalHours        : 7.02972222222222E-06
TotalMinutes      : 0.000421783333333333
TotalSeconds      : 0.025307
TotalMilliseconds : 25.307
```