**CSC 453 introduction to parallel processing**

**Homework Assignment #3 (5 points)**

Due date: 25-10-2020 (Online 5:00PM)

Q1. Write a program that multiply two matrices A and B and the resulted matrix is C all of the same size. Use the following algorithm for multiplication:



Run your program with the following input and show the results:

A B

|  |  |  |
| --- | --- | --- |
| 1 | 5 | 3 |
| 1 | 4 | 1 |
| 2 | 3 | 1 |

|  |  |  |
| --- | --- | --- |
| 1 | 0 | 0 |
| 0 | 1 | 0 |
| 0 | 0 | 1 |

Write a short report that includes the following:

Your name, ID, The results, your code, the time the program takes to run.

Use the attached format.

Q2. Write, compile, and run the following code:

#include < stdio.h >

int main(void)

{

#pragma omp parallel

{

printf("Hello, world.\n");

}

return 0;

}

Show the results in your report using the attached format

**CSC 453 Homework #3**

Name: Click here to enter text.

ID: Click here to enter text.

**Answers for question 1**

**The results (copy text):** Click here to enter text.

**The results (screen shot)**: 

**The code:**Click here to enter text.

**The time the program takes to run:** Click here to enter text.

**Answers for question 2**

**The results (copy text):** Click here to enter text.

**The results (screen shot)**: 

**The code:**Click here to enter text.