CSE 420 Final Report Description

Your task is to study the content of Section 6.3 (Types and Declarations), Section 6.4 (Translation of Expressions), and Section 6.6 (Control Flow) of the reference textbook to the best of your ability then explain with an example how a complete code that includes:

1. Some variable declarations including an array declaration
2. One or more while/for loops
3. One or more if/else block

Can be translated into a proper three address code sequence using the grammars and SDT definitions provided in those sections. You can choose some conventional algorithms such as some sorting or searching algorithm, or algorithm for computing standard deviation of numbers of an array, or any other algorithm you like as your example problem.

Note that your submission will be a typed PDF submission on Turnitin. If you need to include diagrams (which is welcome), write your report in Microsoft word format and add the diagrams as images, then export the document in PDF format. The expected length of your submission is no more than 6 pages.

You can submit as many times you want till the submission deadline. After that no late submission will be accepted. Any email or hardcopy submission will be ignored by your section's instructor. Handwritten submissions will get a zero also.

Note that, your submission will be checked for plagiarism in Turnitin. If the plagiarism score of your submission is more than 15% then your submission won't be graded and you will get a zero out of 10 in the final report.