SCC.312 Languages and Compilation

Coursework Part 1: Languages

Assessment Title	Languages Coursework
Module Convener	Mo El-Haj
Distribution Date	3rd February 2023
Submission Deadline	17th February 2023
Contribution to overall module assessment	20%
Indicative student time working on assessment	4-6 hours
Assessment Type (individual or group)	individual

Main Objectives of the assessment

Formative assessment **on the first five weeks-worth of learning outcomes** in the languages-half of the module.

Description of the Assessment

A workbook of questions similar in style to those covered in weeks 11-12 non-assessed quizzes and workbook. A total of 6 questions.

Format of the Assessment

This is a practical assessment, you need to use **JFLAP 7.1** to answer the questions and provide your output files.

Submission Instructions

Coursework must be submitted electronically via the University's Moodle system. The required file formats for this coursework is **zip** file with your answers (.jff) included following the format: **studentID.zip** (e.g. **1234567.zip**).

Avoiding Plagiarism

Please ensure that you understand the meaning of plagiarism and the seriousness of the offence. Information on plagiarism can be found in the SCC Student Handbook.

Late Assessment

Please refer to the SCC Student Handbook for information on submitting late, penalties applied and procedures in the case of mitigating circumstances.

How to seek help:

Myself directly and the TAs will be around during the labs for questions. Please note that we will not answer questions such as 'is my solution correct'…etc. But either way, you are encouraged to come and talk to us if you feel stuck or if you are not sure about any point.
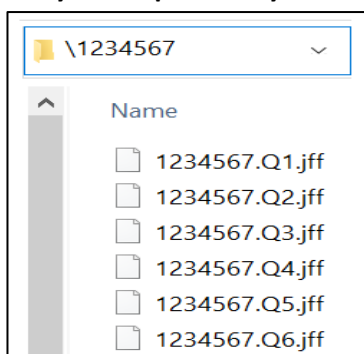
Important Notes <mark>(please read before answering the questions to avoid losing marks – always ask if in doubt):</mark>

- **IMPORTAN_1:** your JFLAP machine answers will be marked automatically as runnable machines using JFLAP. The process will also generate an auto-feedback. I will still give generic feedback during one of the lectures and highlight common errors and mistakes so you can avoid those in the future. You are more than welcome to approach me after the marks are out for more feedback.
- **IMPORTANT_2:** It is your responsibility to test and run your submitted JFLAP machines. Make sure they run and are generating the correct answer by accepting the appropriate strings. If your machine does not run, is stuck in a loop, generates errors, or accept the wrong grammar/strings, the machine is marked as zero.
- **IMPORTANT_3:** Pay extra care for Start (Initial) and Final (Halt) states. You <u>must</u> mark them in your JFLAP answers or otherwise your machine(s) will not run correctly, and they will be considered invalid. If your machine is missing an initial or a final state, you get a zero mark for that question.
- **IMPORTANT_4:** Pay extra care for spelling and grammar. The machine may be considered invalid and will be marked as zero. If you make an honest spelling mistake (e.g. wrote a '0' instead of 'o'), come talk to me.
- **IMPORTANT_5:** Terminals are strictly in small letters. If you use capital letters for terminals, your machine will not run correctly, machines that do not run are considered invalid and are marked with zero.
- **IMPORTANT_6:** There are <u>no partial marks</u>. Your machine should run correctly, otherwise it will be considered incorrect. This is to help you understand how important grammar is.
- **IMPORTANT_7:** You <u>must</u> provide your JFLAP (**.jff**) answers. An answer that is missing a .jff machine will not be marked.
- You <u>must</u> use **JFLAP version 7.1** to answer the questions (direct download).
- Use correct format. For example, if answering Q1, your .jff file should be named using your studentID as in **StudentID.Q1.jff** (e.g. **1234567.Q1.jff**) please do not use any other format to avoid losing marks.
- To save your machine use save or save as from the file menu in JFLAP so you can save it locally as .jff file.
- When finish answering, test your machines make sure they run correctly then <u>Zip all your answer machines</u> into one zip file. The zip file name should be your **StudentID.zip** (e.g. 1234567.zip). No need for subfolders.
- You do not need to write or upload a report. The machines are auto-marked using JFLAP. Only **.jff** files are accepted in your **zip** file, any other formats will not be marked.

Check your submission structure:

Before you zip your answer files, please make sure this is how the structure of your folder looks like (here assuming your StudentID is 1234567): <mark>[pay attention for spelling and spaces to avoid losing marks].</mark>
It is your responsibility to check that you have submitted the correct answers.

When you are satisfied that your folder contains the correct .jff answers, you can then zip your files and upload the zip file to the Moodle submission point.