**Self-Diagnosis:**

Our assignment 1 for unit ICT374 Operating systems and systems programming consists of four questions.

* To make this document readable and easy to follow the self-diagnosis is divided into four distinct sections.
* Significant amount of time has been spent on documentation and making sure that the assessment is easy to follow and readable for marker. Hence, I have tried to be upfront everywhere throughout the documentation.
* Source code is fairly easy to follow and has been commented.

**Question 1:**   **Attempted: yes Completed: yes**

For the first questions, the question has been attempted completely where I have briefly discussed the way the each three I/O models work and listed their strengths and weaknesses which kind of are also the difference between the three I/O models. In the subsequent part of the same question, I have highlighted the key difference among the three models by listing the numbers by drawing a table and have also provided the justification for it.

**Question 2: Attempted: yes completed: yes**

For the second question, we were expected to complete the C program followed by drawing a memory table and highlighting the table with different colours based upon the memory section the variables belong to. In the follow up question, we had to answer few questions based upon the result of our experiment. I have completed the question and have also adhered to the documentation requirement considering it is a programming question.

**Question 3:** **Attempted: yes completed: yes**

The question asked us to execute the command line arguments inside a child process. My solution compiles and seems to be working fine. I have completed the question and also adhered to the documentation requirement part of the question.

**Question 4:** **Attempted: yes** **completed: only feature does not work**

**What works?**

**Program gives all the details of the directory mentioned in the question when is passed as the command line argument as a filename.**

What does not work?

When the command is passed without any argument does not report the information about the current directory.