**Component 1: Getting to Grips with Git (10 marks)**

Successful completion of all sub-components will be given 10 marks of the overall module marks.

**NB: This is a pass/fail component. Failure to complete any and/or all of the sub-components will result in a zero for this component.**

Please complete the following table with proofs (screenshots must show a form of identification to you or your project) and a short description of how you’ve accomplished the task.

The proofs MUST BE clear and readable without forcing a marker to zoom in to verify them. If you do not have space for a screenshot in a cell of the table simply reference it (ex: “see figure X”) and put it below the table.

Make sure to push your code to your PRIVATE repository at <https://gitlab.uwe.ac.uk/> and put myself (ty-win) and the OS delivery team as “Reporter” of your project.

The completed worksheet must be submitted under your repository.

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| **Operating Systems**  **Component 1** | **Student ID:**  **Name:**  **GITLAB REPOSITORY:** | |
|  | **Proofs and notes** | **Date** |
| **Create a project on your Gitlab account** |  | **17/10/2024** |
| **Clone your project to your local VM** |  | **17/10/2023** |
| **Create a file in your repository and modify it** |  | **17/10/2023** |
| **Use Git command to add the modified file to your commit** |  | **22/10/2023** |
| **Push changes to your remote repository** |  | **22/10/2023** |
| **Fork a classmate project (make sure to indicate your classmate repository URL)** |  | **2/11/2023** |

**Component 2: C programming refresher (10 marks)**

Please complete the following table with proofs (screenshots must show a form of identification to you or your project) and a short description of how you’ve accomplished the task.

The proofs MUST BE clear and readable without forcing a marker to zoom in to verify them. If you do not have space for a screenshot in a cell of the table simply reference it (ex: “see figure X”) and put it below the table.

Make sure to push your code to your PRIVATE repository at <https://gitlab.uwe.ac.uk/> and put myself (ty-win) and the OS delivery team as “Reporter” of your project.

The completed worksheet along with the source code for each sub-component must be submitted under your repository.

**NB: This is a pass/fail component. Failure to complete any and/or all of the sub-components will result in a zero for this component.**

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| **Operating Systems**  **Component 2** | **Student ID:**  **Name:**  **C Programming Refresher GitLab repo:** | |
|  | **Proofs and notes** | **Date** |
| **Using only loops write a C program which produces the following pattern:**  **\***  **\* \***  **\* \* \***  **\* \***  **\***  **The user should be able to specify the number of rows he/she wants** |  | **22/10/2023** |
| **Write a small C program which does the following:**   1. **Create a text file;** 2. **Write some text into it;**   **Opens the file and outputs its content on the console.** |  | **23/10/2023** |
| **Write a small number guessing game (between 1 and 5000) using C. It needs to have the following features:**   1. **Console-based;** 2. **Needs to have a “scoreboard”**   **The user should be able to determine when he/she wants to end the game** |  | **23/10/2023** |