**GIHEKE TSS 28/04/2025**

**L3 SOD**

**VERSION CONTROL**

**EXERCISE**

**Student name:Milliam NIYOMURINZI**

**AND TUYUBAHE Yvette**

**Multiple Choice (20 Questions)**

* What is Git?  
  a) A programming language  
  b) A version control system  
  c) A cloud storage service  
  d) A database management tool
* Which command initializes a new Git repository?  
  a) git start  
  b) git init  
  c) git create  
  d) git new
* What does git clone do?  
  a) Deletes a repository  
  b) Copies a remote repository to your local machine  
  c) Creates a new branch  
  d) Merges two branches
* Which command stages all changes for commit?  
  a) git add .  
  b) git commit -a  
  c) git stage all  
  d) git push
* What does git status show?  
  a) A list of all commits  
  b) The current branch and changes  
  c) The remote repositories  
  d) The Git version  
  Git is the same as GitHub.  
  **Answer: False**
* git commit -m "message" saves changes to the local repository.  
  **Answer: True**
* git pull is equivalent to git fetch followed by git merge.  
  **Answer: True**

**Matching**

Match the Git command to its function:

* git log
* git branch
* git checkout

a) Lists all branches  
b) Shows commit history  
c) Switches branches

**Answer:**

**1 b**

**2 a**

**3 c**

**Fill-in-the-Blank (5 Questions)**

* The command to discard changes in a file is git checkout--<file>
* To view remote repositories, use git remote  
  \*(Continue with 3 more fill-in-the-blank questions...)\*

**Section 2: Branching & Merging**

**Multiple Choice (20 Questions)**

* What is the default branch in Git?  
  a) develop  
  b) main (or master in older repos)  
  c) feature  
  d) release
* Which command creates a new branch?

 a) git branch new-branch  
 b) git create-branch new-branch  
c) git new branch new-branch  
d) git checkout -b new-branch

* What does git merge do?  
  a) Deletes a branch  
  b) Combines changes from one branch into another  
  c) Pushes changes to a remote repo  
  d) Lists all branches

**True/False**

* A fast-forward merge is possible if the target branch has no new commits.  
  **Answer: True**
* git rebase rewrites commit history.  
  **Answer: True**

**All the best**