

GitHub Fundamentals Worksheet for Developers

Name _____

Score: _____ / 100

Part A: Fill in the Blanks (20 Points)

Complete each sentence using the correct GitHub term from the word bank.

Word Bank

Repository • Commit • Branch • Pull Request • Clone • Merge • Fork • Push • README
• Issue

1. A _____ is a storage location where project files and code are kept.
2. A _____ records changes made to files in a project.
3. A _____ allows developers to work on new features without affecting the main code.
4. A _____ is used to propose changes before integrating them into the main branch.
5. To copy a remote repository to your local computer, you use _____.
6. When combining changes from different branches, you perform a _____.
7. A _____ creates a personal copy of another developer's repository.
8. To upload local changes to GitHub, you use the command _____.
9. A _____ file usually contains project information and instructions.
10. An _____ is used to track bugs, improvements, or tasks.

Part B: Matching (20 Points)

Match the GitHub term with its correct definition.

Column A **Column B**

1. Repository A. Upload local changes to GitHub

Column A

Column B

- | | |
|-----------------|--|
| 2. Commit | B. Copy a repository to your computer |
| 3. Clone | C. Saved snapshot of project changes |
| 4. Push | D. Project storage location |
| 5. Pull Request | E. Request to review and merge changes |

Write your answers:

1. _____
2. _____
3. _____
4. _____
5. _____

Part C: Fill in the Commands (20 Points)

Complete the Git commands.

1. Initialize a repository:

git _____

2. Check repository status:

git _____

3. Add all files:

git _____ .

4. Save changes:

git _____ -m "message"

5. Upload changes:

git _____ origin main

6. Download a repository:

git _____ <repository-url>

7. Create a new branch:

git _____ feature-login

8. Switch branches:

git _____ feature-login

9. View commit history:

git _____

10. Download latest changes:

git _____

Part D: Match the GitHub Feature (20 Points)

Match each feature with its purpose.

Feature Purpose

- 1. Issues A. Documentation
- 2. Actions B. Project automation and CI/CD
- 3. README C. Track bugs and tasks
- 4. Wiki D. Project knowledge base
- 5. Projects E. Organize work with boards

Answers:

1. _____

2. _____

3. _____

4. _____

5. _____

Part E: Scenario-Based Questions (20 Points)

Choose the best GitHub concept for each situation.

1. You want to suggest changes to another developer's project.

2. You need to work on a feature without affecting the main code.

3. Your team wants to track a bug found by users.

4. You want to automate testing whenever code is pushed.

5. You need to copy a repository from GitHub to your computer.
