

Ziele: Git-hub Aufgabe

1. Install Git

- **Instructions:**
 - Visit the official [Git website](#) and download the latest version for your operating system.
 - Follow the installation instructions and configure Git with your name and email using the following commands:

```
git config --global user.name "Your Name"  
git config --global user.email "your.email@example.com"
```

2. Create a GitHub Account

- **Instructions:**
 - Go to [GitHub](#) and sign up for an account if you don't already have one.
 - Set up your GitHub profile with a username, email, and profile picture.

3. Create Your First Repository

- **Instructions:**
 - After signing in to GitHub, click on "New Repository."
 - Name the repository (e.g., 24Group), add a description, and select "Public" so others can see it.
 - Initialize the repository with a README file.

Deliverable:

- Share the URL of your repository.

4. Clone the Repository Locally

- **Instructions:**
 - Open Git Bash (or any terminal).
 - Clone your newly created repository using:

```
git clone https://github.com/your-username/MyFirstRepo.git
```

- Navigate into the repository folder:

```
cd MyFirstRepo
```

5. Make Changes and Commit

- **Instructions:**
 - Create a new file called hello_student.txt inside your local repository and add some content (e.g., "Hello, student!").
 - Use the following commands to add and commit the changes:

```
git add hello_student.txt
git commit -m "Added hello_student.txt"
```

6. Push Changes to GitHub

- **Instructions:**
 - Push your committed changes to GitHub using:


```
git push origin main
```
 - Check your GitHub repository to confirm that hello_student.txt has been uploaded.

7. Create and Switch to a New Branch

- **Instructions:**
 - Create a new branch named feature-branch:


```
git checkout -b feature-branch
```
 - Add a new file called feature.txt with some text.
 - Add, commit, and push the changes:

```
git add feature.txt
git commit -m "Added feature.txt"
git push origin feature-branch
```

8. Create a Pull Request (PR)

- **Instructions:**
 - Go to your GitHub repository and you will see an option to create a Pull Request for the feature-branch.
 - Create the PR with a short description of the changes.

Deliverable:

- Submit the link to the pull request for review.

9. Merge Pull Request

- **Instructions:**
 - Once the PR is created, merge it into the main branch on GitHub.
 - After merging, delete the feature-branch from GitHub if desired.

10. Collaborate with Another Student

- **Instructions:**
 - Pair up with another student. Share your repository with them by adding them as a collaborator.

- Each student should create a branch, make changes, and create a pull request.
- Review and approve each other's pull requests, then merge them into the main branch.

Zeitvorgaben

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