Assignment 2A

Aim : Create version control account on GitHub and using Git commands to create repository and push your code to GitHub.

☑ Steps & Explanation:

◆ **1. Create a GitHub Account**

- Visit https://github.com
- Click **Sign Up**
- Fill in username, email, and password
- Verify email and complete registration

📌 *Purpose:* GitHub is a cloud-based platform to store and manage code using Git.

◆ **2. Install Git (if not installed)**

- Download from: https://git-scm.com
- Install with default settings

📌 *Git* is a version control tool that helps manage code changes.

◆ **3. Configure Git (Only once per computer)**

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

◆ **4. Initialize Git in Local Project Folder**

```
cd path/to/your/project
git init
```

📌 This command starts Git tracking in the current folder.

🔷 5. Add Files to Staging Area

```
git add .
```

📌 Adds all files to Git's staging area.

🔷 6. Commit the Changes

```
git commit -m "Initial commit"
```

📌 Saves the changes to your local Git repository.

🔷 7. Create a Repository on GitHub

- Login to GitHub
- Click + **New Repository**
- Name: e.g. `my-project`
- **Do not check** "Initialize with README"
- Click **Create Repository**

🔷 8. Link Local Git to GitHub Repository

```
git remote add origin https://github.com/your-username/my-project.git
```

🔷 9. Push Code to GitHub

```
git push -u origin master
```

📌 Sends your local code to GitHub under the `master` branch.

☑ Output Screenshot (Optional for Journal)

You can take a screenshot of:

- Your terminal showing `git push -u origin master`
- Your GitHub repository showing uploaded files

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