**Steps for Git & Github**

**Step 1: Setup Git & SSH Key**

1. Open **Git Bash** and check if Git is installed:
   1. git --version
2. Configure Git (if not already configured):
   1. git config --global user.name "2301031000036"
   2. git config --global user.email "2301031000036@silveroakuni.ac.in"
3. Generate an SSH key:
   1. ssh-keygen -t ed25519 -C "2301031000036@silveroakuni.ac.in"
4. Copy the SSH key to the clipboard:
   1. cat ~/.ssh/id\_ed25519.pub
5. Go to **GitHub → Settings → SSH and GPG keys → New SSH Key**
6. Paste the key and click **Add SSH Key**.

**Step 2: Create & Clone Git Repository**

1. Go to [GitHub](https://github.com/) → Create New Repository
2. Name it your enrollment number
3. Select Public/Private → Create Repository
4. Clone using SSH:
   1. git clone https://github.com/Nabin2301031000036/2301031000036.git
5. Move into the repository:
   1. cd 2301031000036

**Step 3: Create Required Folders & Add Assignments**

1. Create two folders:
   1. mkdir Assignment\_1 Assignment\_2
2. Copy assignment files into respective folders.
3. Verify files:
   1. ls

### **Step 4: Commit & Push to GitHub**

1. Check Git status:
   1. git status
2. Add files to staging:
   1. git add .
3. Commit the changes:
   1. git commit -m "first commit"
4. Push to GitHub:
   1. git push origin main