**Lab 2**

**Question 1**

1. Make a simple Text file, and write these Git commands inside it:

* git branch <branch name>: Creates a new branch.
* git merge <branch name>: Merges changes from one branch into another.
* git commit -m "Commit message": Commits changes to the repository with a message.
* git push origin <branch name>: Pushes changes to the remote repository.
* git pull origin <branch name>: Pulls changes from the remote repository.

1. Update your text file with adding any text then check the reflection of commit in git extension and stage it.

3- Create a branch from your main file name it **version\_1** using Git extension tool.

**Question 2**

1. Design an ERD for a **School System Database**:

* ***Brief Requirement Description:***

A school database typically stores information about schools, their departments, the courses offered, students enrolled in the courses, instructors teaching the courses, and the enrollment records.

* Identify the entities and the relationships between them.
* Draw an ERD showing the entities, relationships, the cardinality of the relations, participation.
* Constraints, and the (min, max) notations.
* Identify and add the attributes of the entities.