Project Title: Student Data Viewer

Objective:

Create a C# program that retrieves student data from a text file and displays it on the console.

Step 1: Set up Visual Studio Project

1. Open Visual Studio.

2. Create a new Windows Console Project.

   - Select "File" -> "New" -> "Project..."

   - Choose "Console App (.NET Core)" or "Console App (.NET Framework)" depending on your version of Visual Studio.

   - Name the project "StudentDataViewer" (or any other desired name).

   - Choose a suitable location to save the project files.

   - Click "Create."

Step 2: Create the Text File

1. Open a text editor (e.g., Notepad).

2. Create a new text file named "student_data.txt" (or any other desired name).

3. Populate the text file with student data in the following format:

StudentID,Name,Grade

101,Arpit ,10

102,Aman,8

103,Gaurav,9

104,Naman,14

105,Ram,12

106,Nikhil,22

107,John,11

108,Neha,28

109,Anjali,23

110,Kajal,18

4. Save the text file in a location where it can be easily accessed.

Step 3: Implement the C# Code

1. Open the "Program.cs" file in the "StudentDataViewer" project.

Step 4: Track Files on GitHub

Initialize a Git repository for your Visual Studio project.

Open Git Bash or the Command Prompt in the project directory.

Run the command: git init

Step 5: Finalize and Share the GitHub Repository

After completing and testing the program, commit the changes to the local Git repository.

Run the command: git add .

Run the command: git commit -m "first commit"

Create a new GitHub repository to host your project.

Go to https://github.com and sign in or create a new account.

Click on the "+" button in the top-right corner and choose "New repository."

Follow the prompts to create a new repository.

Connect your local repository to the remote GitHub repository.

In the terminal, run the command: `git remote add origin https://github.com/rastogi102/Project1_StudentDataViewer.git`

Push the committed changes to your GitHub repository.

Run the command: git push -u origin master

GitHub Repository Link: **https://github.com/rastogi102/Project1_StudentDataViewer.git**

Conclusion:

The Student Data Viewer project is now successfully created and documented. It allows Rainbow Schools to manage student data efficiently by reading information from a text file and displaying it on the console. With the GitHub repository link shared, the project can be tracked, shared, and further developed as needed.