PHASE 1 Project:

**Create a Text-file Based System for Storing and Updating Teacher Records**

Step-by-step process involved in completing this task (Logic implemented):

1. Solving the logic using menu driven options like

1.Display all the teacher records,

2.Add teacher to the record,

3.Delete teacher record,

4.Update teacher record,

5.Get Teacher record using ID.

1. Data stored in the text file will be in the format of ID, Name, Subject, Section.
2. To get data from the file, we used File.ReadAllLines method to return the file data.
3. To Add the Details using command prompt, Get the details from the user and use File.AppendAllLines method to insert the data.
4. To Delete the particular data based on the entry, I have created a new List, wherein at the beginning, we ReadAllLines from the text file.
5. To Get the teacher data by ID, we do same operation as display details, but use ID to display the particular teacher data.
6. To Update the Data, create a new list and use ReadAllLines method and store that, if it matches the 1st entry, then ask for remaining details and overwrite them then use File.WriteAllLines. If doesn’t match, then we put data to newly created list and use same method.

Results with Screenshots:

Menu driven options

Text

Description automatically generated

1. Display all teacher details

a) On the console

Text

Description automatically generated

b) On the text file

Text

Description automatically generated

2. Add teacher to the record

a) On the console

Text

Description automatically generated

b) On the text file

Text

Description automatically generated

3. Delete Teacher Record

a) On the console

Text

Description automatically generated

b) On the text file

3rd record has been deleted

Graphical user interface, text, application

Description automatically generated

4. Update Teacher Record

a) On the console

Text

Description automatically generated

b) On the text file

Text

Description automatically generated

5. Get Teacher Record using ID On the console

Text

Description automatically generated