



**COMSATS UNIVERSITY ISLAMABAD, ATTOCK
CAMPUS**

**DEPARTMENT OF COMPUTER SCIENCE
LAB TERMINAL**

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Subject	: Compiler Construction
Section	: BCS 7“A”
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Question No # 1

Write Brief Overview About Project?

ANSWER:

The project is a C# Windows Forms application that serves as a CSV file parser and viewer. The primary features include:

Graphical User Interface (GUI):

The application uses Windows Forms to create a user-friendly interface. A DataGridView is employed to display the parsed CSV data in a tabular format.

CSV File Parsing:

The program utilizes the TextFieldParser class from the Microsoft.VisualBasic.FileIO namespace to parse CSV files. It reads column headers and data from the selected CSV file and stores them in a DataTable.

File Selection:

A "Select File" button allows users to choose a CSV file using a file dialog. The selected file path is displayed in a TextBox.

Error Handling:

To detect and show any exceptions that may arise during the file parsing process, basic error handling is implemented. A MessageBox with an error message is displayed in the event of an error.

Headline and Design:

The application has a title that can be set programmatically or in the Visual Studio designer.

For visual customization, you can change the font's size and boldness, among other properties.

Adaptability to Change:

The code is intended to serve as a foundation that can be expanded and changed in response to particular

