**Contact Book App project**

1. **Introduction:-**

The Contact Book App is a simple command-line application designed to manage personal or business contacts efficiently. It allows users to create, update, search, and delete contacts while providing features like viewing the entire contact list and counting the number of contacts.

1. **Business Problem:-**

In the digital era, keeping track of personal and professional contacts is vital for individuals and businesses. A disorganized or inefficient contact management system can lead to lost connections and missed opportunities. This Contact Book App aims to address these issues by providing users with a streamlined solution to manage their contact data in one place.

This project was created to provide a lightweight, user-friendly solution for managing contacts in environments where more complex CRM (Customer Relationship Management) systems may be unnecessary or overly complex.

1. **Project Goals:-**

The main objective of the Contact Book App is to provide users with a simple and intuitive interface for managing their contacts without the need for complex systems. It offers all the basic functionalities to help users keep their contacts up-to-date and easily accessible.

1. **Key Features:-**

**Create Contact**: Users can create new contacts by entering the name, age, email, and mobile number.

**View Contact**: Users can view the details of a specific contact.

**Update Contact**: Allows users to modify the details of an existing contact (e.g., age, email, or phone number).

**Delete Contact**: Enables users to delete a contact from the contact book.

**Search Contact**: Users can search for contacts using partial or full names.

**Count Contacts**: Displays the total number of contacts stored in the contact book.

**Exit**: Option to close the application.

1. **How to Use the App**

Launching the App:

Simply run the Python script from a terminal/command prompt. Once the app is launched, it will present a menu of options.

Creating a Contact:

Choose option 1 from the menu.

Enter the contact's name, age, email, and mobile number.

Viewing a Contact:

Choose option 2.

Input the contact name to view its details.

Updating a Contact:

Select option 3.

Enter the name of the contact you want to update and the new details (age, email, mobile).

Deleting a Contact:

Select option 4.

Provide the contact name to delete it.

Searching for a Contact:

Choose option 5 and input the name (or part of the name) to search for contacts.

Counting Contacts:

Select option 6 to see the total number of contacts stored in the contact book.

Exiting:

Choose option 7 to exit the program.