Activity 7

Create a database using lists and tuples.

# Initialize an empty list to store records

database = []

# Function to add a new record to the database

def add\_record(name, age, city):

    record = (name, age, city)  # Create a tuple for the record

    database.append(record)  # Add the tuple to the database list

# Function to display all records in the database

def display\_records():

    print("Records in the database:")

    for record in database:

        print(f"Name: {record[0]}, Age: {record[1]}, City: {record[2]}")

# Main function to demonstrate the database operations

def main():

    # Add records to the database

    add\_record("Alice", 30, "New York")

    add\_record("Bob", 25, "Los Angeles")

    add\_record("Charlie", 35, "Chicago")

    # Display all records in the database

    display\_records()

if \_\_name\_\_ == "\_\_main\_\_":

    main()