**Python Project Report**

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* **Main Function of this project:** This project will record and preserve the data of criminals with their assigned ID and they will be traced with that iD.

import time

# Function to add criminal record

def add\_criminal\_record():

    # Capture current date and time for entry timestamp

    timestamp = time.strftime("%Y-%m-%d %H:%M:%S")

    criminal\_id = input("Enter Criminal ID: ")

    name = input("Enter Name: ")

    father\_name = input("Enter Father's Name: ")

    mother\_name = input("Enter Mother's Name: ")

    age = input("Enter Age: ")

    gender = input("Enter Gender: ")

    height = input("Enter Height (in cm): ")

    weight = input("Enter Weight (in kg): ")

    crime\_info = input("Enter Crime Information: ")

    crime\_date = input("Enter Date of Crime (YYYY-MM-DD): ")

    crime\_location = input("Enter Location of Crime: ")

    verdict = input("Enter Verdict: ")

    victim\_name = input("Enter Victim Name(s): ")

    # Construct record as a string

    record = f"{criminal\_id},{name},{father\_name},{mother\_name},{age},{gender},{height},{weight},{crime\_info},{crime\_date},{crime\_location},{verdict},{victim\_name},{timestamp}\n"

    # Write record to file

    with open("criminal\_records.txt", "a") as file:

        file.write(record)

    print("Criminal record added successfully!")

# Function to search criminal record by ID

def search\_criminal\_record():

    criminal\_id = input("Enter Criminal ID to search: ")

    found = False

    # Read the file and search for the criminal record by ID

    with open("criminal\_records.txt", "r") as file:

        for line in file:

            record = line.strip().split(",")

            if record[0] == criminal\_id:

                found = True

                print("\nCriminal Record Found:")

                print(f"Criminal ID: {record[0]}")

                print(f"Name: {record[1]}")

                print(f"Father's Name: {record[2]}")

                print(f"Mother's Name: {record[3]}")

                print(f"Age: {record[4]}")

                print(f"Gender: {record[5]}")

                print(f"Height: {record[6]}")

                print(f"Weight: {record[7]}")

                print(f"Crime Information: {record[8]}")

                print(f"Date of Crime: {record[9]}")

                print(f"Location of Crime: {record[10]}")

                print(f"Verdict: {record[11]}")

                print(f"Victim Name(s): {record[12]}")

                print(f"Record Entry Time: {record[13]}")

                break

    if not found:

        print("No record found with that Criminal ID.")

# Main program loop

while True:

    print("\nCriminal Database Management System")

    print("1. Add New Criminal Record")

    print("2. Search Criminal Record by ID")

    print("3. Exit")

    choice = input("Choose an option: ")

    if choice == '1':

        add\_criminal\_record()

    elif choice == '2':

        search\_criminal\_record()

    elif choice == '3':

        print("Exiting program.")

        break

    else:

        print("Invalid option. Please choose 1, 2, or 3.")