#include <stdio.h>

#include <string.h>

struct CarInfo {

    char numberPlate[15];

    char ownerName[50];

    char drivingLicense[20];

    char registrationNumber[20];

    char chassisNumber[20];

    char model[30];

    char color[20];

    int previousFines;

};

void displayCarInfo(char numberPlate[], struct CarInfo records[], int size) {

    int found = 0;

    for (int i = 0; i < size; i++) {

        if (strcmp(records[i].numberPlate, numberPlate) == 0) {

            printf("Car Details for Number Plate %s:\n", numberPlate);

            printf("Owner's Name: %s\n", records[i].ownerName);

            printf("Driving License Number: %s\n", records[i].drivingLicense);

            printf("Registration Number: %s\n", records[i].registrationNumber);

            printf("Chassis Number: %s\n", records[i].chassisNumber);

            printf("Vehicle Model: %s\n", records[i].model);

            printf("Vehicle Color: %s\n", records[i].color);

            printf("Previous Fines: %d\n", records[i].previousFines);

            found = 1;

            break;

        }

    }

    if (!found) {

        printf("No record found for this number plate.\n");

    }

}

int main() {

    struct CarInfo records[] = {

        {"MH12AB3456", "Rajesh Patil", "DL1234567890123", "MH12B1234", "MAHABC12345678900", "Maruti suzuki Swift", "Red", 2},

        {"UP14CD5678","Anita Verma", "DL9876543210123", "UP14E5678", "UPD12345678901234", "Honda City", "Silver", 0},

        {"TN22EF3456", "Karthik Ramesh", "DL1234567890123", "TN22A1234", "TNF12345678901234", "Hundai Creta", "Black", 1},

        {"GJ01HK7890","Priya Patel","DL2345678901234","GJ01B1234","GJD12345678901234","Tata Nexon","Blue", 2},

        {"WB20FG6789","Rita Das","DL5678901234567","WB20A6789","WBD12345678901234","Kia Sonet","White", 0},

    };

    int recordCount = sizeof(records) / sizeof(records[0]);

    char numberPlate[15];

    printf("Enter the car number plate: ");

    scanf("%s", numberPlate);

    displayCarInfo(numberPlate, records, recordCount);

    return 0;

}