//Standard Input Output Library

#include <stdio.h>

#include <string.h>

#define MAX\_CARS 100

#define MAX\_LENGTH 50

// Structure to hold car registration details

typedef struct {

char carNumber[MAX\_LENGTH];

char owner[MAX\_LENGTH];

char phoneNumber[MAX\_LENGTH];

char location[MAX\_LENGTH];

} CarRegistration;

// Function to search for car details

void searchCar(CarRegistration cars[], int count, const char\* carNumber) {

for (int i = 0; i < count; i++) {

if (strcmp(cars[i].carNumber, carNumber) == 0) {

printf("Car Number: %s\n", cars[i].carNumber);

printf("Owner: %s\n", cars[i].owner);

printf("Phone Number: %s\n", cars[i].phoneNumber);

printf("Location: %s\n", cars[i].location);

return;

}

}

printf("Car number %s is not registered in the database.\n", carNumber);

}

int main() {

CarRegistration cars[MAX\_CARS] = {

{"MH 12 AG 1", "Aagam Gadiya", "9372024905", "Wagholi,Pune"},

{"MH 12 SD 1115", "Shantanu Deshmukh", "9529966033", "Kothrud,Pune"},

{"MH 28 OC 1896", "Om chaudary", "9567856575", "Buldhana"},

};

int count = 3; // Number of entries in the array

char searchNumber[MAX\_LENGTH];

printf("Enter car number to search: ");

fgets(searchNumber, sizeof(searchNumber), stdin);

searchNumber[strcspn(searchNumber, "\n")] = '\0'; // Remove newline character

// Validate input

if (strlen(searchNumber) == 0) {

printf("Error: Invalid input. Please enter a valid car number.\n");

} else {

searchCar(cars, count, searchNumber);

}

return 0;

}