#include <stdio.h>

#include <string.h>

#define MAX 10

typedef struct {

char name[50];

char category[50];

char phone[15];

} Business;

Business businesses[MAX];

int businessCount = 0;

void addBusiness(const char\* name, const char\* category, const char\* phone) {

if (businessCount < MAX) {

strcpy(businesses[businessCount].name, name);

strcpy(businesses[businessCount].category, category);

strcpy(businesses[businessCount].phone, phone);

businessCount++;

} else {

printf("Cannot add more businesses.\n");

}

}

void lookupByCategory(const char\* category) {

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

if (strcmp(businesses[i].category, category) == 0) {

printf("Name: %s, Phone: %s\n", businesses[i].name, businesses[i].phone);

}

}

}

void lookupByName(const char\* name) {

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

if (strcmp(businesses[i].name, name) == 0) {

printf("Found: Name: %s, Category: %s, Phone: %s\n",

businesses[i].name, businesses[i].category, businesses[i].phone);

return;

}

}

printf("Business not found.\n");

}

int main() {

addBusiness("TechCorp", "Technology", "1234567890");

addBusiness("Foodies", "Restaurant", "9876543210");

printf("\nBusinesses in category 'Technology':\n");

lookupByCategory("Technology");

printf("\nLookup by name 'Foodies':\n");

lookupByName("Foodies");

return 0;

}