#include <stdio.h>

#include <stdlib.h>

#include <string.h>

typedef struct {

char \*name;

int date;

char \*activity;

} Day;

Day\* create() {

Day\* week = malloc(7 \* sizeof(Day));

return week;

}

void read(Day\* week) {

char buffer[256];

for (int i = 0; i < 7; i++) {

printf("Enter name of day %d: ", i+1);

scanf("%s", buffer);

week[i].name = malloc(strlen(buffer) + 1);

strcpy(week[i].name, buffer);

printf("Enter date of day %d: ", i+1);

scanf("%d", &week[i].date);

printf("Enter activity of day %d: ", i+1);

scanf(" %[^\n]", buffer);

week[i].activity = malloc(strlen(buffer) + 1);

strcpy(week[i].activity, buffer);

}

}

// Function to display the week's activities

void display(Day\* week) {

for (int i = 0; i < 7; i++) {

printf("Day: %s\n", week[i].name);

printf("Date: %d\n", week[i].date);

printf("Activity: %s\n", week[i].activity);

}

}

// Main function

int main() {

Day\* week = create();

read(week);

display(week);

free(week);

return 0;

}