Reducing complexity princples

**hierarchy**

# Unit 3 lab Solutions

Here is one example to solve the problem. There are many different solutions:

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

struct person

{

int yearex;

char firstname[20];

char lastname[20];

};

struct location

{

char city[30];

char state[2];

};

struct school

{

int size;

char name[50];

struct location place;

struct person dean;

};

int main()

{

struct school school1;

// first schoolss info

strcpy( school1.name, " DSU");

school1.size=10000;

strcpy(school1.place.city, "Madison");

strcpy(school1.place.state, "SD");

school1.dean.yearex=3;

strcpy(school1.dean.firstname, "George");

strcpy(school1.dean.lastname, "Walter");

printf("%s\n %s, %s\n size:%d\n",school1.name, school1.place.city,

schooll1.place.state, school1.size);

printf("Dean: %s %s has %d years of experience\n", school1.dean.firstname, school1.dean.lastname, school1.dean.yearex);

return 0;

}