Q1. Create a structure for student/employee information with suitable

members and do the following

- Creating variables, input, output operations

- initialization(complete or partial) of variables

- create a pointer of struct type, and assign address of variable

- access members from the pointer using arrow operator

- calculate size of variable, offset of each member

- create alias for the structure type, pointer type using typedef

Q2. In the student structure created above modify marks member as an

array(array of 5 subjects), create an array of struct variables and do

some input,output operations.(Marks of ith student in jth subject etc).Find

the student wise totals, subject wise totals.

Q3. Create an employee structure with the following members

empid, employee name, salary, year of joining etc.

Accept the data for certain no. of employees and find their total,

average, max, min salary.

Also find out the employees with maximum, minimum service,use a

function to find service for each employee element in the array.

Q4. Whats wrong in the following code, suggest a fix for this.

struct A

{

int x;

char \*str; // (or) char str[20];

};

struct A a1 = { 101, “abc” } , a2;

a1.x=10;

a1.str=”hello”; //works?

scanf(“%d%s”,&a1.x,a1.str); //works?

a2 = a1; //shallow copy or deep copy?

What if str is declared as an array instead of pointer, i.e. charstr[20]