CS 103: Computer Programming

Sessional 2, Spring 2016

**Total Marks:40** **Total Time: 60 Minutes**

Add code to make the following program work:

class employee

{

private:

int \*id;

int idlen;

int salary;

};

int main()

{

int id1[]={3,4,5,7,9};

int id2[]={2,5,1};

employee ali(id1,5,10000); //should make a deep copy of id1 in ali's id and salary=10000

employee omar(ali); //should make an identical object to ali, making a deep copy of id.

employee anum(id2,3,20000); //should makeanum's id=[2,5,1] and salary=20000

employee saira; //should initialize all object's members to zero

saira = ali\*10; //should make saira's salary = 10\*ali's salary.

//Also all id digits for saira should be equal to 10\*id digits of ali's

cout<< "ali:"<<endl<<ali<<"omar:"<<endl<<omar;

cout<<"saira:" <<endl<<saira<<endl;

cout<< "anum+omar:"<<endl<<anum+omar;

//adding anum+omar means creating a new object with id = id digits of anum

//concatenated with id digits of omar and

//salary of new object = salary of 2 anum+omar

saira = ali = omar; //should make saira and ali equal to omar

cout<< "saira:" <<endl;

cout<<saira;

return 0;

}

The output of the above program should be:

|  |  |
| --- | --- |
| ali:  Id is:3 4 5 7 9  salary: 10000  omar:  Id is:3 4 5 7 9  salary: 10000  saira:  Id is:30 40 50 70 90  salary: 100000 | anum+omar:  Id is:2 5 1 3 4 5 7 9  salary: 30000  saira:  Id is:3 4 5 7 9  salary: 10000 |