Lab Task:

A- Using the knowledge for association, aggregation and composition provided in the theory lecture video. Design a single UML diagram for all the three relationships. Also write a single program for the proposed UML diagram.

***Association***

***Association***

+void main String

Manager

***SwipeCard***

***- String madeofCard;***

***- Manager manager***

***+ getMakeofCard():String***

***+ Swipe() : void***

***Manager***

***- String name***

***- SwipeCard S***

***+ getName(): String***

***+ logon() : void***

***Aggregation***

***Aggregation***

Worker w1, w2;

Array List <worker> workers;

Manager m;

Manager

***Worker***

***- String name;***

***+ getname():String***

***Manager***

***- String name***

***- ArrayList worker***

***+ getName(): String***

***+ logon(Swipecarb s) : void***

***Composition***

***main***

project p

Manager m;

Manager

***Worker***

***- Manager manager;***

***+ boolean IsSuccess***

***+***void setIsSuccess(boolean value)

+ boolean getIssuccess()

***Manager***

***+ project project;***

***- String name;***

***+ double salary;***

***+ getName(): String***

***+howISManager(Swipecarb s) : void***