**Sheet # 6**

**Question 1:**

Given the following diagram, Implement all the Classes and write a client code to test your application.

Emlpoyee

+ name

+hourerate

+CalculateEarning()

SalariedEmployee

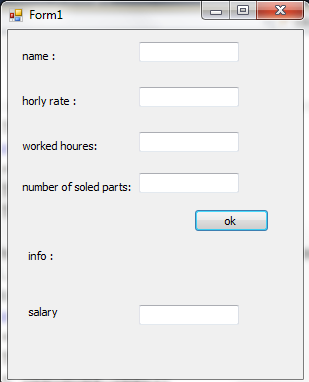
-workedhoures

+CalculateEarning()

patrEmployee

-number of soled parts

CalculateEarning()

1. Class Employee:

CalculateEarning(): return double and its must override method.

1. Class Salaried Employee:

CalculateEarning(): return the salary (hourerate\*workedhoure)

1. Class patrEmployee:

CalculateEarning(): return the horerate\* number of soled parts.

1. Write appropriate properties for each class.
2. The client program should be test the application by :

Create the appropriate object depending on the information he filled and calculate and display the salary.