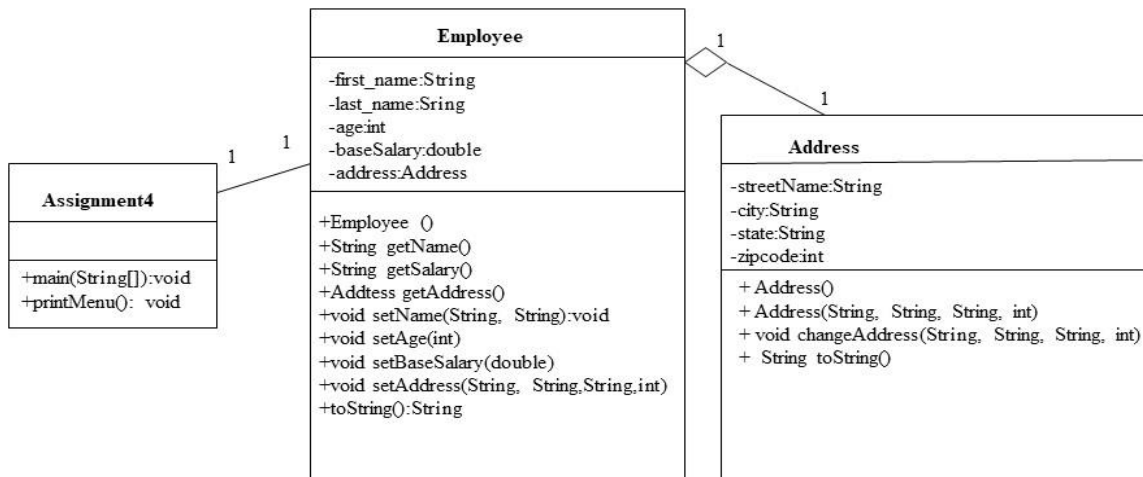# Assignment #4

Due Date : Sunday, September 17ᵗʰ , 2017, at 11:59pm.

40 Points

Important: This is an individual assignment. Please do not collaborate.

Reading: Please review lecture material related to objects posted in the class website together with the Car class example (that explains the composition). Note that this homework DOES NOT involve inheritance

Requirement: In this homework you will be implementing the objects and their relationships as shown the UML diagram given below. Skeleton of Assignment4.java is given where it display a menu create, display, and change address. You are required to **implement the Employee and Address class and complete the incomplete portions of Assignment4.java**

Employee
-first_name:String -last_name:Sring -age:int -baseSalary:double -address:Address
+Employee () +String getName() +String getSalary() +Addtess getAddress() +void setName(String, String):void +void setAge(int) +void setBaseSalary(double) +void setAddress(String, String,String,int) +toString():String

Assignment4
+main(String[]):void +printMenu(): void

Address
-streetName:String -city:String -state:String -zipcode:int
+ Address() +Address(String, String, String, int) + void changeAddress(String, String, String, int) + String toString()

1   1   1   1

Sample Run of the program:

```
What action would you like to perform?
Choice          Action
------          ------
A               Add an Employee
D               Display an Employee Info
C               Change Address
Q               Quit
?               Display Menu Again

A

Enter first name:
Janaka
Enter last name:
Balasooriya
age:
34
Salary:
35900.89
Enter Address
        Street name:
699 S. Mill Ave
        City:
Tempe
        State:
AZ
        zipcode:
85281


What action would you like to perform?
Choice          Action
------          ------
A               Add an Employee
D               Display an Employee Info
C               Change Address
Q               Quit
?               Display Menu Again

D

First name : Janaka   Last name:  Balasooriya     Base Salary: 35900.89
 Address:699 S. Mill Ave
Tempe
AZ
85281
```

```
What action would you like to perform?
Choice          Action
------          ------
A          Add an Employee
D          Display an Employee Info
C          Change Address
Q          Quit
?          Display Menu Again

Q
```

Submission Instructions: Make a zip file containing your Assignment4.java, Address.java and Employee.java and submit online to the BLACKBORAD bu clicking Assignmen4 link