Programming II

Comp 111

Spring 2020



Department of Computer Science

Forman Christian College University

Lab 8

Association

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| **Question #** | **Total Marks** |
| Question 1 | 5 |
| Question 2 | 5 |
| Question 3 | 5 |

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# **Lab Problem**

**Question 1:**

You are to implement an Employee class having the following attributes:

* EmployeeID
* EmployeeName
* EmployeeSalary

And another class of Manager having the following attributes:

* ManagerName
* ManagerID

The manager class has a method IncrementSalary(), this method increments the EmployeeSalary by 5% when it is invoked. You are to implement this scenario and incorporate print methods in both classes. Also implement a main function to test the program.

**Question 2:**

Implement a class ***Patient*** having ***PatientID,PatientName, PatientDisease and Treatment***. It should also have a method ***Chart()*** that prints the demographics of the patient. Implement another class Doctor, which will have ***DoctorName*** and ***DoctorID*** as its attributes and a method ***treat()*** that suggests the type of the***Treatment*** to the ***Patient***.

Hint: Workflow will be ….Create patient but without any value in treatment. Then create doctor.

After that call doctor treatment function and pass the patient object to set the treatment variable.

**Question 3:**

**Question 2:**You are to implement a class Student having the following attributes:

* StudentID
* StudentName
* StudentSalary
* IssuedBooks

And another class of Library having the following attributes:

* BooksID
* BooksTitle
* BooksAuthor

The Library class has a method Issuance(), this method adds an object list of library class to the IssuedBooks attribute of the Student class. You are to implement this scenario and incorporate print methods in both classes. Also implement a main function to test the program.