Programming II

Comp 111

Spring 2020



Department of Computer Science

Forman Christian College University

Lab 10

Function overriding and Polymorphism

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

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# **Lab Problem**

**Question 1:** Implement a super class Vehicle which will have attributes color, model, name and two subclasses, Car and Truck which will have horsepower as additional attributes along with a mutator and accessor for this attribute and a getDescription() method that displays all the information. Make a driver program that creates two objects one for each subclass and displays information for each vehicle type.

**Question 2(Polymorphic behavior):** Implement a super class Employee with attributes EmpName, EmpID and Salary and a method SalaryStatus(). Implement three subclasses BuildingManager, ProcurementManager and LogisticsManager. The salary for each is 10,000, 12,000 and 15,000 respectively.

Write a main function. In main function, create a list of employees. On each index there should be a different type of employees. Display the information for each employee.