## Inheritance Assignments

Assmt ID	Assignment		
	The class inheritance diagram is given below.  Person  Name  Age  Read_data  Display_Data		
a	Student Roll Marks Get_data Compute_grade Show_Data		Employee BP HR Sal Get_data Compute_Salary Show_Data
b	Develop a cellphone accounts system, which will be used to manage the accounts of a cellphone company. The company has two types of accounts, Contract and PayAsYouGo. For every account the cellphone number, total call time used and total cost of calls needs to be stored. For PayAsYouGo accounts, you also need to store the type, Callmore time, Peak time or Any time (C, P, A). For Contract accounts you need to store the account holders name, address, and the length of the contract in months. The cellphone accounts system needs handle many accounts, PayAsYouGo and Contract. It also needs to provide information to a user interface, which allows a user to add new accounts, to display all the accounts and to search for the details of a particular account using the cellphone number.		
С	Design a class Employee-no, Name, Designation, Basic Pay. Define a derived class Executive whose Basic_pay is more than Rs.10,000.		
D	Design classes for the entities Student, Professor and Course. The Student has the attributes Name, Student ID and Major. Major attribute should differentiate between Graduate and Post Graduate Student. Design Professor class with attributes Name, EmpID and Major. The Course class includes title and duration (single subject).Incorporate appropriate getter and setter methods. Also define method study() and teach () in the respective classes.		