

1. Author the following classes within your newly created package:
 - a. LollyShopDriver - which will be used to run the application. This class will have a main method.
 - b. Person – this is an parent class and includes the following attributes
 - i. firstName (String)
 - ii. surname (String)
 - iii. phoneNumber (String)
 - iv. discount (int)
 - c. Customer – which will inherit from Person and includes the following attributes
 - i. emailAddress (String)
 - ii. And an additional attribute of your choice.
 - d. Employee – which will inherit from Person and includes the following attributes
 - i. hourlyWorked (double)
 - ii. And an additional attribute of your choice.
 - e. Supplier – which will inherit from Person and includes the following attributes
 - i. companyName(double)
 - ii. supplierStatus (String)
 - iii. And an additional attribute of your choice.
2. Provide at least two constructors for the Employee, Supplier and Customer classes:
 - i. A default constructor which assigns each instance variable a default value
 - ii. A constructor with parameters which assign values to each instance variable.
3. Write get and set methods for your classes for all instance variables.
4. Write a toString() method in each class that will return a String containing all the relevant data for each of your objects. Use get methods to write toString() method. Use the format below in screenshot to display the details.
5. In the Customer, Employee and Supplier classes, create setDiscount() methods. Every group of people have different discount amounts and they are:
 - a. Employees get a discount based on their hours worked. If an employee works less than 20 hours, they get 5% discount, if they work between 21-30hours they get a 10% discount and if they work more than 30 hours they get a 15% discount
 - b. Customers do not get any discount.
 - c. Suppliers get discount according to their status. If status is "Active", then 15% discount and if status is "past supplier" then 5% discount and if status is "Future supplier" then 10% discount.
6. In lollyShopDriver class, provide a main method that will do the following:
 - a. Create two objects of Employee with different details. One object using parametrised constructor and one using setMethods().
 - b. Create two objects of Customer with different details. One object using parametrised constructor and one using setMethods().
 - c. Create two objects of Supplier with different details. One object using parametrised constructor and one using setMethods().
 - d. Display the details of all objects and amount of discount they receive from lolly shop in the following format

Welcome to Lolly Shop System developed by student id and student name

*****Employee details*****

John SMITH
Contact number: 385823341
has worked 18 hours and will get 20% discount

Marie SMITH
Contact number: 756723341
has worked 25 hours and will get 10% discount

*****Customer details*****

Jack lee
Contact number: 724143341
is a customer and will not get any discount

*****Supplier details*****

Angie Williams
Contact number: 682389341
is an active supplier and will get 15% discount