1.create an interface called GovtRules which defines prototype for methods like

1.public double EmployeePF(double basicSalary);

2.public string LeaVeDetails();

3.public double gratuityAmount(float serviceCompleted,double basicSalary);

Implement the interface in classes like TCS,Accenture

All classes should have datamembers like empid,name,dept,desg and basic salary

All values should be assigned through parameterized constructor

and data should be displayed using properties.

If class is TCS , 12% of basic salary of employee should go for PF and 8.33% of basic salary should go for PF as employer contribution and 3.67% of Basic Amount should go for Pension Fund from employer contribution.

Leave Details for TCS is

1 day of Casual Leave per month

12 days of Sick Leave per year

10 days of Previlage Leave per year

Gratuity amount : if the no of service year completed in the same company is > 5 , 1month basic salary will be deposited in gratuity amount

if >10 years service , 2\*basic salary=gratuity amount

if >20 years service , 3\* basic salary=gratuity amount

if < 5 no gratuity.

If class is Accenture ,

12% of basic salary of employee should go for PF and 12% of employer contribution should go to PFfrom employer contribution.

Leave Details for Accenture is

2 day of Casual Leave per month

5 days of Sick Leave per year

5 days of Previlage Leave per year

Gratuity amount : Not applicable

implement the methods accordingly and display the detailed output.

2.Create an interface called Payable. This is the interface that will be used by the accounting department's software (which you are not responsible for authoring) for all things that they need to write checks for. The Payable interface should contain three functions:

1. Retrieve amount due

2. Add to amount due

3. Payment address

3.Derive an Employee class from the Person class already created in the previous exercise. The Employee class should add the following properties:

1. Salary

2. Mailing address

In addition, the Employee class should implement the Payable interface. The implementation of the functions specified in the Payable interface should make sense. In other words, the payment address should be the mailing address of the employee. In order to make this work right, you will need to allocate an internally protected state variable that keeps track of the amount of money due. This state variable will obviously be modified by the functions defined in the interface. You can of course, try to do this with a property and add this property to the Payable interface.

4.Write a program with abstract classes and interfaces. Abstract class should contain one abstract and non-abstract method. Abstract method should get daily sales value and return as month sales value. Non-abstract method should return daily sales value. Interface should contain one method which return sales value for a year.

Main class should inherits both class and interface. Here daily sales value is Rs.400.

System should call those three methods and display the following output:

Daily sales: Rs.400

Monthly sales: Rs.12000

Annual sales: Rs.144000