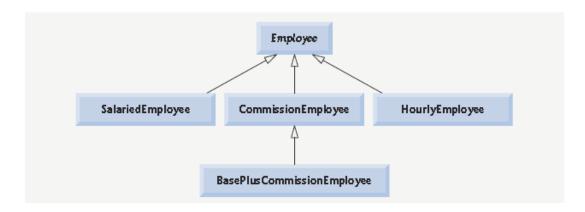
## Payroll system using polymorphism:

A company pays its employees on a weekly basis. The employees are of four types: Salaried employees are paid a fixed weekly salary regardless of the number of hours worked, hourly employees are paid by the hour and receive overtime pay for all hours worked in excess of 40 hours, commission employees are paid a percentage of their sales and salaried-commission employees receive a base salary plus a percentage of their sales. For the current pay period, the company has decided to reward salaried-commission employees by adding 10% to their base salaries. The company wants to implement a Java application that performs its payroll calculations polymorphically.



Create abstract super class employee to represent general concept of employee.

Create the hierarchy as shown in the figure above.

	earnings	toString
Employee	abstract	firstName lastName social security number: SSN
Salaried- Employee	weeklySalary	salaried employee: firstName lastName social security number: SSN weekly salary: weeklysalary
Hourly- Employee	if hours <= 40 wage * hours else if hours > 40 40 * wage + ( hours - 40 ) * wage * 1.5	hourly employee: firstName lastName social security number: SSN hourly wage: wage; hours worked: hours
Commission- Employee	commissionRate * grossSales	commission employee: firstName lastName social security number: SSN gross sales: grossSales; commission rate: commissionRate
BasePlus- Commission- Employee	( commissionRate # grossSales ) + baseSalary	base salaried commission employee: firstName lastName social security number: SSN gross sales: grossSales; commission rate: commissionRate; base salary: baseSalary

Create an interface 'payable' which defines 'finalPaymentAmount'. Create a class 'invoice' which implements payable. Let employee class implements payable.

## Finalpaymentamount method

