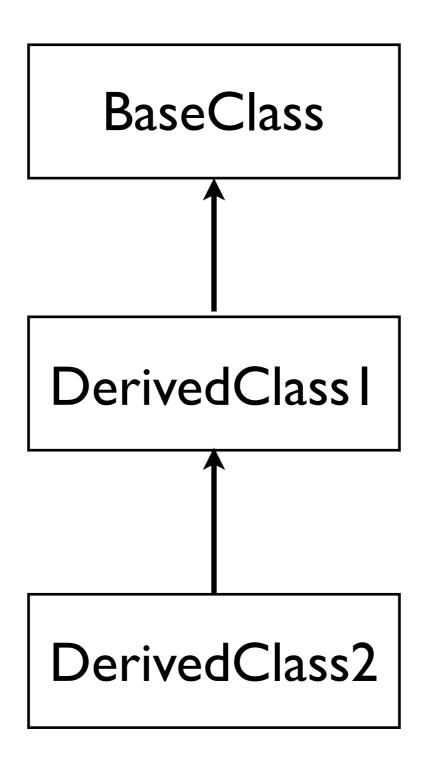
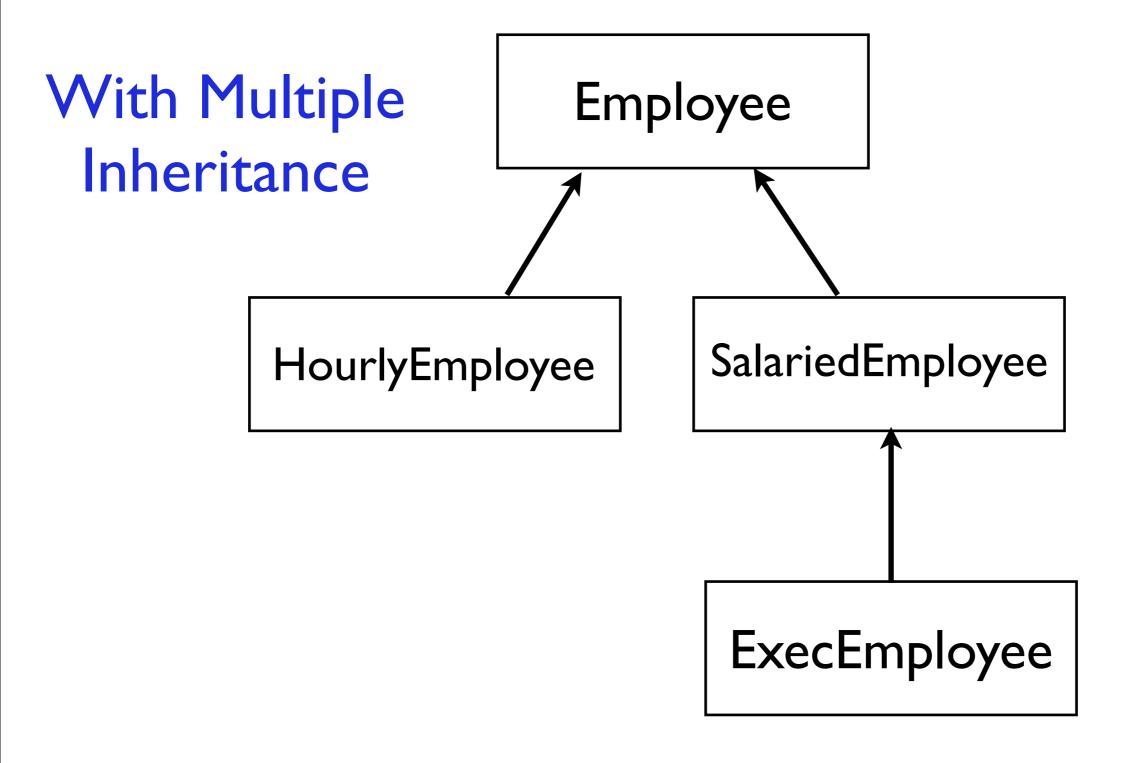
More on Inheritance

Multiple Level Inheritance
Or
Indirect Inheritance

Indirect Inheritance



Indirect Inheritance



```
#include<iostream>
using namespace std;
class Employee {
public:
//Function Members
protected:
 long int myldNumber;
 string LastName, Firstname;
 char MiddleInitial;
 int DepartmentNumber;
};
class SalariedEmployee : public Employee
public:
 //Salaried Employee Methods
protected:
 float mySalary;
```

The Code

```
class HourlyEmployee : public Employee
public:
 //Hourly Employee Methods
protected:
 float myHourlyWage;
 float HoursWorked;
};
class ExecutiveEmployee : public SalariedEmployee
public:
 //Executive Employee Methods
protected:
 float myExecPay;
};
int main()
 return 0;
```

UML Class Diagram w/Inheritance

Employee

#myldNumber : long int

#LastName: string

#MiddleInitial:char

#Firstname: string

#DepartmentNumber:int

+GetEmpName()

//Other Methods

Note: # means protected member

HourlyEmployee

#myHourlyWage:float

#HoursWorked:float

+ComputeSalary()
//Other Methods

SalariedEmployee

#mySalary:float

+PrintSalary()

//Other Methods