

```
/*
```

```
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Date: April/06/2008
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```
Tutorial: Employee application
```

```
Version: 1.0
```

```
*/
```

```
/*
```

```
 * Second: You also need to write the code for a class Manager which is a subclass of the class Employee:
```

```
a. This new class has an additional instance variable, String department.
```

```
b. The new class should also have two constructors. One should take no parameters. The other should take three parameters, one for each instance variable that would belong to an object. Note that it will have to make use of a call to the super constructor.
```

```
c. This class should also have its own methods, void setDepartment() and String getDepartment().
```

```
d. This class should also have a method, String toString(). In the toString() method you do not make use of any toString() method defined above you in the class hierarchy. Instead, you make use of the "get" methods defined above you in the hierarchy to get the values of the inherited instance variables. A toString() method should state the name of the class that it occurs in, not the superclass, for example, but it should also return all instance variable values, including inherited ones.
```

```
*/
```

```
package employee;
```

```
public class Manager extends Employee{
```

```
    private String department;
```

```
    private double hours;
```

```
    public Manager(){}
```

```
    public Manager(String name, double salary, String department){
```

```
        super.setName(name);
```

```
        super.setSalary(salary);
```

```
        this.department = department;
```

```
    }
```

```
    public void setDepartment(String department){
```

```
        this.department = department;
```

```
    }
```

```
    public String getDepartment(){
```

```
        return department;
```

```
    }
```

```
    public double computePay(double hours){
```

```
        salary = this.getSalary();
```

```
        salary = salary * 40;
```

```
        return salary;
```

```
    }
```

```
    public String toString(){
```

```
        String s = "";
```

```
        return "Manager() " + "\tName: " + super.getName() + "\tSalary $" + salary +  
"\tDepartment: " + this.getDepartment() + "\tcomputePay() $" + this.computePay(hours);
```

```
    }
```

```
}
```