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# **SOURCE CODE**

# [domain package]

```
Department(port)ava × ② Department(DAjava × ③ EmployeeDAjava × ③ Department)ava × ③ Employeejava × ⑥ deptemp.cov × ⑥ deptemp.c
```

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[dao package]

```
package dao;
Dimport domain.Employee;
public class EmployeeDA {
    private HashMap<String, Employee> employeeMap;
    public HashMap<String, Employee> getEmployeeMap() {return employeeMap;}
    public EmployeeDA(String depCode) throws FileNotFoundException
        Scanner readEmpInfo = new Scanner(new FileReader( fileName: "src/emp.csv"));
        employeeMap = new HashMap<>();
        readEmpInfo.nextLine();
        while(readEmpInfo.hasNext())
            String empStringData = readEmpInfo.nextLine();
            String[] empData = empStringData.split( regex: ", ");
            String empDep = deptempInfo(empData[0], col: 0);
            if(empDep.equals(depCode))
                Employee employee = new Employee(empData[0], empData[1], empData[2]);
                employee.setSalary(Double.parseDouble(deptempInfo(empData[0], col: 2)));
                employeeMap.put(depCode+key, employee);
    private String deptempInfo(String empNo, int col) throws FileNotFoundException
        String data = "";
        Scanner readDeptempInfo = new Scanner(new FileReader( fileName: "src/deptemp.csv"));
        readDeptempInfo.nextLine();
        while(readDeptempInfo.hasNext())
            String tempStringData = readDeptempInfo.nextLine();
            String[] tempData = tempStringData.split( regex: ", ");
            if(tempData[1].equals(empNo))
                data = (tempData[col]);
```

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#### **DepartmentDA**

```
🔞 DepartmentDA.java 🗴 🔞 EmployeeDA.java 🗴 🔞 Department.java 🗴 🔞 Employee.java 🗴 🚦 emp.csv 🗡
        public DepartmentDA() throws FileNotFoundException
             Scanner readDepInfo = new Scanner(new FileReader( fileName: "src/dep.csv"));
            readDepInfo.nextLine();
             while(readDepInfo.hasNext())
                 String[] depData = depStringData.split( regex: ", ");
                 EmployeeDA employees = new EmployeeDA(depData[0]);
                 department.setDepTotalSalary(CalculateTotalSalary(employees.getEmployeeMap()));
                 System.out.println(AnalyzedReport(department, employees.getEmployeeMap()));
@
        private Double CalculateTotalSalary(HashMap<String, Employee> empMap)
             return tSalary;
         private String AnalyzedReport(Department dep, HashMap<String, Employee> empMap)
             String report = "Department Code: " + dep.getDepCode() + "\n'
+ "Department Name: " + dep.getDepName() + "\n'
             for(Map.Entry<String, Employee> entry: empMap.entrySet())
                 report += entry.getValue().getEmpNo() + "\t"
                          + empName +
         static String wordAligner(String word)
             String <u>fixed</u> = word;
                fixed += "
```

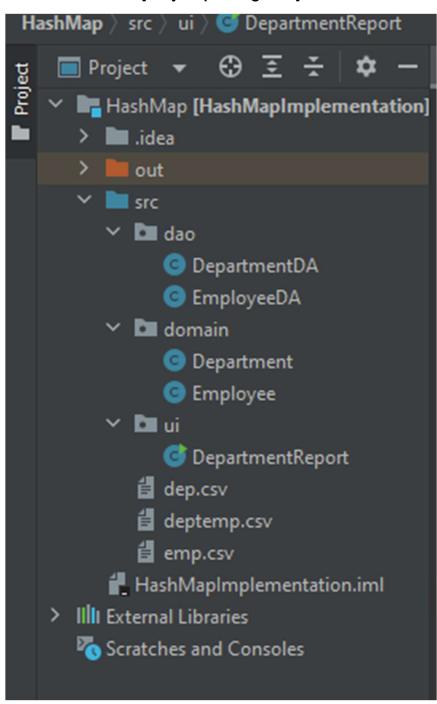
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## [ ui package ]

```
DepartmentReport.java × © DepartmentDA.java × © EmployeeDA.java × © Department.java × © Employee.java × © Department.java × © Department
```

## [ Project package list ]



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# OUTPUT

