

## Main class(create package)

### 1.AssignmentMain.java

```
package com.tnsif.assignment;

import com.tnsif.assignment.employees.Manager;
import com.tnsif.assignment.employees.Developer;
import com.tnsif.assignment.utilities.EmployeeUtilities;

public class AssignmentMain {

    public static void main(String[] args) {

        Manager manager = new Manager("John", 101, 90000, "Sales");
        Developer developer = new Developer("Alice", 102, 80000, "Java");
        EmployeeUtilities.printEmployeeDetails(manager);
        EmployeeUtilities.printEmployeeDetails(developer);
    }
}
```

## Employee package

### 1.Employee.java

```
package com.tnsif.assignment.employees;

public class Employee {

    private String name;
    private int employeeId;
    private double salary;

    public Employee(String name, int employeeId, double salary) {
        this.name = name;
        this.employeeId = employeeId;
        this.salary = salary;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }
}
```

```

public int getEmployeeId() {
    return employeeId;
} public void setEmployeeId(int employeeId) {
    this.employeeId = employeeId;
} public double getSalary() {
    return salary;
} public void setSalary(double salary) {
    this.salary = salary;
}
}

```

## **2.Developer.java**

```

package com.tnsif.assignment.employees;

public class Developer extends Employee {
    private String programmingLanguage;

    public Developer(String name, int employeeId, double salary, String programmingLanguage) {
        super(name, employeeId, salary);
        this.programmingLanguage = programmingLanguage;
    }

    public String getProgrammingLanguage() {
        return programmingLanguage;
    } public void setProgrammingLanguage(String programmingLanguage) {
        this.programmingLanguage = programmingLanguage;
    }
}

```

## **3.Manager.java**

```

package com.tnsif.assignment.employees;

public class Manager extends Employee {
    private String department;

    public Manager(String name, int employeeId, double salary, String department) {
        super(name, employeeId, salary);
    }
}

```

```

        this.department = department;
    } public String getDepartment() {
        return department;
    } public void setDepartment(String department) {
        this.department = department;
    }
}

```

## Utilities-create package

### 1.EmployeeUtilities.java

```

package com.tnsif.assignment.utilities;

import com.tnsif.assignment.employees.Employee;
import com.tnsif.assignment.employees.Manager;
import com.tnsif.assignment.employees.Developer;

public class EmployeeUtilities {

    public static void printEmployeeDetails(Employee employee) {
        System.out.println("Employee Name: " + employee.getName());
        System.out.println("Employee ID: " + employee.getEmployeeId());
        System.out.println("Salary: " + employee.getSalary());
        if (employee instanceof Manager) {
            Manager manager = (Manager) employee;
            System.out.println("Department: " + manager.getDepartment());
        } else if (employee instanceof Developer) {
            Developer developer = (Developer) employee;
            System.out.println("Programming Language: " + developer.getProgrammingLanguage());
        }
        System.out.println();
    }
}

```

