

Assignment - 6-7 ;

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```
① package com.example.domain;  
public class object {  
    String s; null;  
    public String toString() {  
        return s;  
    }  
}
```

```
② package com.example.domain;  
import java.text.NumberFormat;  
public class Employee extends object {  
    private int empid;  
    private String name;  
    private String ssn;  
    private double salary;  
    public Employee (int empid, String name, String ssn,  
        double salary) {  
        this.empid = empid;  
        this.name = name;  
        this.ssn = ssn;  
        this.salary = salary;  
    }  
}
```

③ public class Manager extends Employee {

private String deptName;

public String getDeptName() {

return deptName;

}

public Manager(int empId, String name, String ssn,

double salary, String deptName) {

super(empId, name, ssn, salary);

this.deptName = deptName;

}

public String toString() {

return super.toString() + "Department Name".

+ getDeptName();

}

}

④ Package com.example.domain;

public class Director extends Manager {

private double budget;

public double getBudget() {

return budget;

}

```

public String print Employee () ?
    return super.toString() + "\n Budget : "
        + getBudget();
    }
}

```

```

5) public class Admin extends Employee {
    public Admin (int empId, String name, String ssn,
        double salary) {
        super (empId, name, ssn, salary);
    }
}

```

```

6) Package com.example.domain;
    public class Engineer extends Employee {
        public Engineer (int empId, String name, String
            ssn, double salary) {
            super (empId, name, ssn, salary);
        }
    }
}

```


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⑦ import com.example.domain.*;

public class EmployeeStockPlan {

private final int EmployeeShares = 10;

private final int ManagerShares = 100;

private final int DirectorShares = 1000;

public int grantStock(Employee emp) {

if (emp instanceof Director) {

return DirectorShares;

}

else if (emp instanceof Manager) {

return ManagerShares;

}

else {

return EmployeeShares;

}

}

}

```

2) public class EmployeeTest {
    public static void printEmployee(Employee emp) {
        System.out.println("Employee type: " + emp.getClass().getSimpleName());
        System.out.println(emp);
    }
}

```

```

    public void printEmployee(Employee emp, EmployeeStockPlan esp) {
        printEmployee(emp);
        System.out.println("Stock Option: " + esp.getStock(emp));
    }
}

```

```

    public static void main(String[] args) {
        EmployeeStockPlan esp = new EmployeeStockPlan();
        Engineers en = new
        Engineers en = new Engineer(1001, "Jane Smith",
            "012-34-5678", 120000.50);
        Manager m = new Manager(2001, "Barbara Johnson",
            "0154-12-2367", 109000.36, "US Marketing");
        printEmployee(en, esp);
        printEmployee(m, esp);
        printEmployee(od, esp);
    }
}

```