



UPES

UNIVERSITY OF THE FUTURE

Assignment-

Subject-

Submitted By:

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Submitted To:

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Assignment-9

1

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9) package com.example;

```
public class Employee {
```

```
    String Empname;
```

```
    String Job;
```

```
    String Department;
```

```
    double salary;
```

```
    public Employee (String Empname, String Job,  
        String Department, double salary) {
```

```
        this.Empname = Empname;
```

```
        this.Job = Job;
```

```
        this.Department = Department;
```

```
        this.salary = salary;
```

```
    public class Benefitshelper {
```

```
        private final double bonusRate = 0.02;
```

```
        private final double withholdingRate = 0.07;
```

```
        public double calcBonus (double salary) {
```

```
            return salary * bonusRate;
```

```
        }
```

```
        public double calcWithholding (double salary) {
```

```
            return salary * withholdingRate;
```

```
        }
```

```
    }
```

2

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```
Benefitshelper B = new Benefitshelper();  
public double getBonus () {  
    return B.calcBonus(salary);  
}
```

```
public double getWithholding () {  
    return B.calcWithholding(salary);  
}
```

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```
package com.example;
```

```
public class Main {  
    public static void main (String [] args) {  
        Employee jane = new Employee (Empname:  
            "Jane Doe", Job: "Manager", Department: "HR",  
            salary: 65000);
```

```
        Employee john = new Employee (Empname:  
            "John Doe", Job: "Staff", Department: "HR",  
            salary: 55000);
```

```
        System.out.println("Jane's 2 withholding: "  
            + jane.getWithholding());
```

```
        System.out.println("John's bonus: " + john.getBonus());  
    }  
}
```

```
Run: Main x
"D:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2021.3.2\lib\idea_rt.jar=51563:D:\Program Fi
Jane's Withholding: 4550.0
John's bonus: 1100.0

Process finished with exit code 0
```

Version Control Run TODO Problems Terminal Build Event Log

Build completed successfully in 15 sec, 596 ms (moments ago) 14:1 CRLF UTF-8 4 spaces