

## Practical 03

Student ID: **27607**

Student Name: **PGWickramasuriya**

01.

Code for Employee class with getters and setters:

```
public class Employee {  
  
    private String name;  
  
    private int age;    private  
    double salary;  
  
    // Getters and Setters  
    public String getName() {  
        return name;  
    }  
  
    public void setName(String name) {  
        this.name = name;  
    }  
  
    public int getAge() {  
        return age;  
    }  
}
```

```
    public void setAge(int age) {  
this.age = age;  
  
    }  
  
    public double getSalary() {  
        return salary;  
    }  
  
    public void setSalary(double salary) {  
        this.salary = salary;  
    }  
}
```

create a test class EmployeeTest

```
public class EmployeeTest {    public static  
void main(String[] args) {        Employee  
employee = new Employee();  
employee.setName("Bogdan");  
employee.setAge(30);  
employee.setSalary(50000);  
  
        System.out.println("Employee Name: " + employee.getName());  
        System.out.println("Age: " + employee.getAge());  
        System.out.println("Salary: " + employee.getSalary());  
    }
```

```
}
```

## Employee class with constructor and bonus calculation

```
public class Employee {  
    private String name;    private  
    double basicSalary;    private  
    double bonus;  
  
    // Constructor    public Employee(String name, double  
    basicSalary, double bonus) {        this.name = name;  
    this.basicSalary = basicSalary;        this.bonus = bonus;  
  
    }  
  
    // Getters    public String  
    getName() {        return  
    name;  
  
    }  
  
    public double getBasicSalary() {  
    return basicSalary;  
  
    }  
  
    public double getBonus() {  
    return bonus;
```

```
}
```

```
// Method to calculate Bonus Amount
```

```
public double calculateBonusAmount() {
```

```
return basicSalary + bonus;
```

```
}
```

```
}
```

create a test class EmployeeTest

```
public class EmployeeTest {    public
```

```
static void main(String[] args) {
```

```
    Employee employee = new Employee("Bogdan", 50000, 10000);
```

```
    System.out.println("Employee Name: " + employee.getName());
```

```
    System.out.println("Basic Salary: " + employee.getBasicSalary());
```

```
    System.out.println("Bonus: " + employee.getBonus());
```

```
    System.out.println("Bonus Amount: " + employee.calculateBonusAmount());
```

```
}
```

```
}
```