Lab1 -

```java
public class Employee{
    private String name;
    private double salary;

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

    public String getName(){
         return name;
    }

    public double getSalary(){
         return salary;
    }

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

    public void setSalary(double salary){
         this.salary = salary;
    }

    @Override
    public String toString(){
        return name + " have salary =  " + salary;
    }
}
```

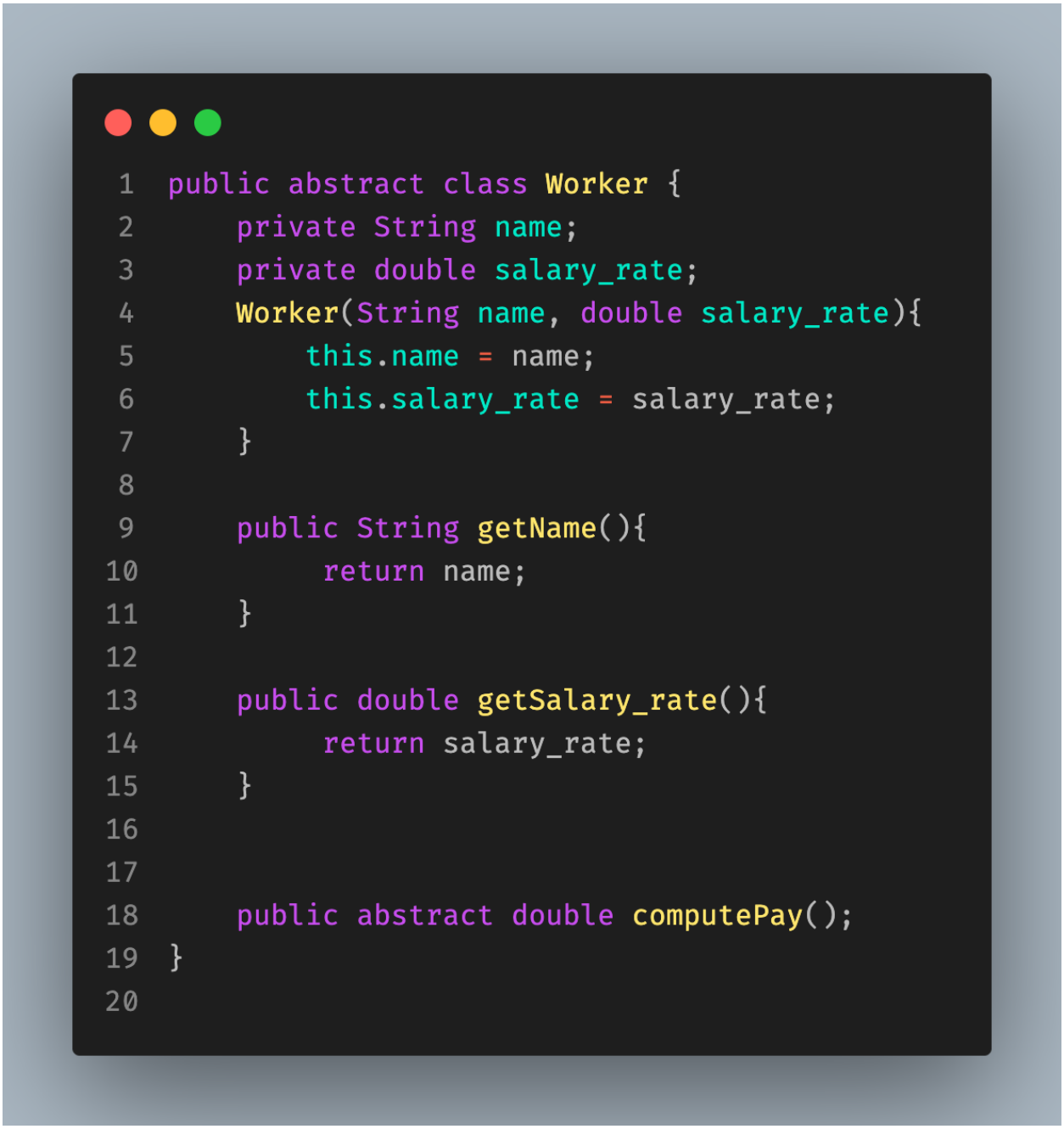
```java
public class Manager extends Employee {
    private String department;

    Manager(String name, double salary, String department) {
        super(name, salary);
        this.department = department;
    }

    public String getDepartment() {
        return department;
    }

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

    @Override
    public String toString() {
        return getName() + " have salary = " + getSalary() + " and department = " + department;
    }

}

```

```java
public class TestManager {
    public static void main(String[] args){
     Employee emp1 = new Employee("tenten", 1000);
     Employee emp2 = new Employee("sasuke", 2000);
     Manager man1 = new Manager("naruto", 3000, "IT");
     System.out.println(emp1);
     System.out.println(emp2);
     System.out.println(man1);

    }
}

```

OutPut:

```
tenten have salary =  1000.0
sasuke have salary =  2000.0
naruto have salary = 3000.0 and department = IT
```

Lab2 –



```java
public abstract class Worker {
    private String name;
    private double salary_rate;
    Worker(String name, double salary_rate){
        this.name = name;
        this.salary_rate = salary_rate;
    }

    public String getName(){
         return name;
    }

    public double getSalary_rate(){
         return salary_rate;
    }


    public abstract double computePay();
}

```

```java
public class FullTimeWorker extends Worker{

    private int hours_worked ;
    FullTimeWorker(String name, double salary_rate, int hours_worked){
        super(name, salary_rate);
        this.hours_worked = hours_worked;
    }


    @Override
    public double computePay(){
        return hours_worked*100;
    }
}
```

```java
public class HourlyWorker extends Worker {
    private int hours_worked;
    HourlyWorker(String name, double salary_rate, int hours_worked){
        super(name, salary_rate);
        this.hours_worked = hours_worked;
    }

    @Override
    public double computePay(){
        return hours_worked*50;
    }
}

```

```java
public class TestWorker {
   public static void main(String[] args)
   {
        FullTimeWorker fullw = new FullTimeWorker("tenten", 1000,200);
        HourlyWorker partw= new HourlyWorker("sasuke", 2000,20);
        System.out.println(fullw.getName() + " have salary = " + fullw.computePay());
        System.out.println(partw.getName() + " have salary = " + partw.computePay());

   }
}

```

Output

```
tenten have salary = 20000.0
sasuke have salary = 1000.0
```