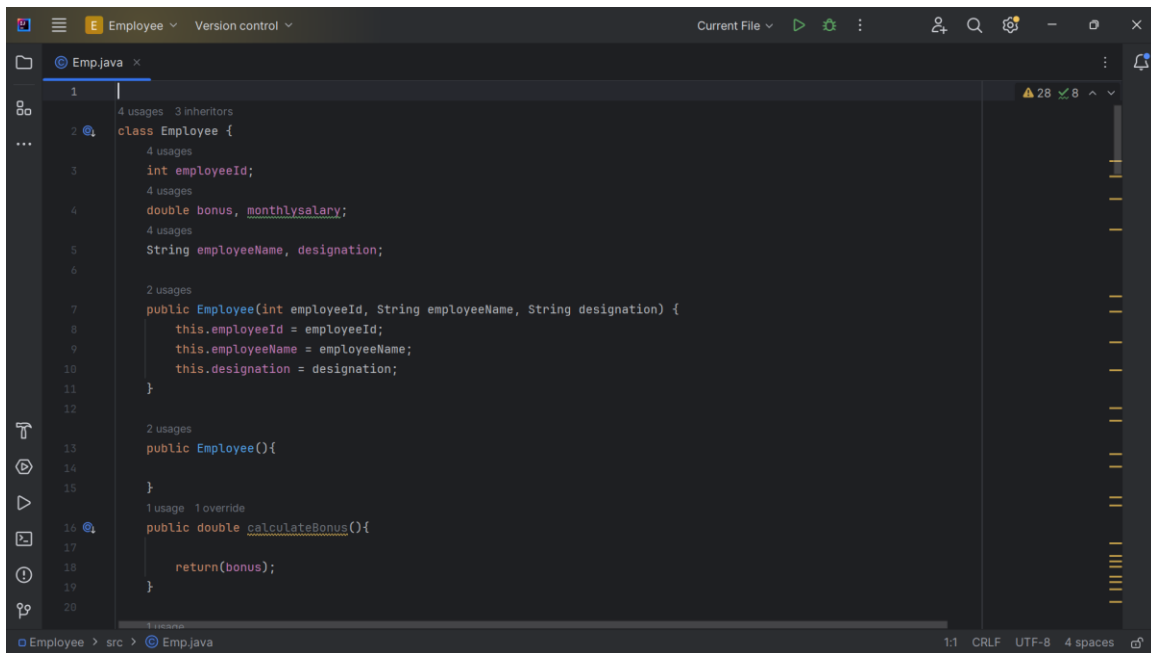
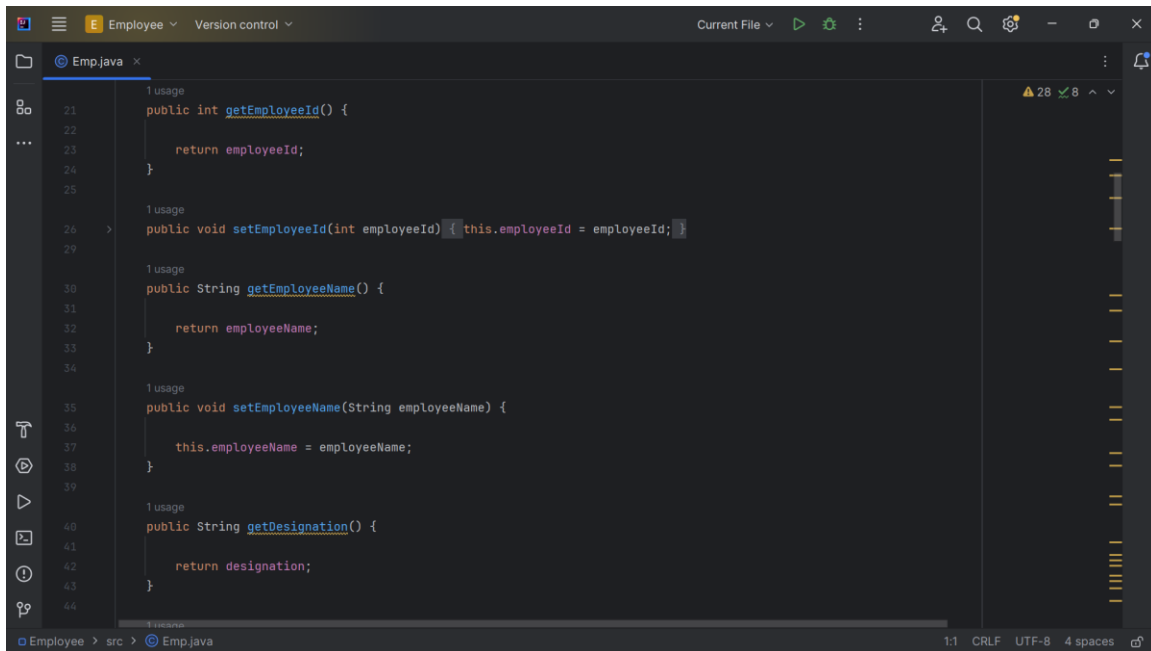


CODE



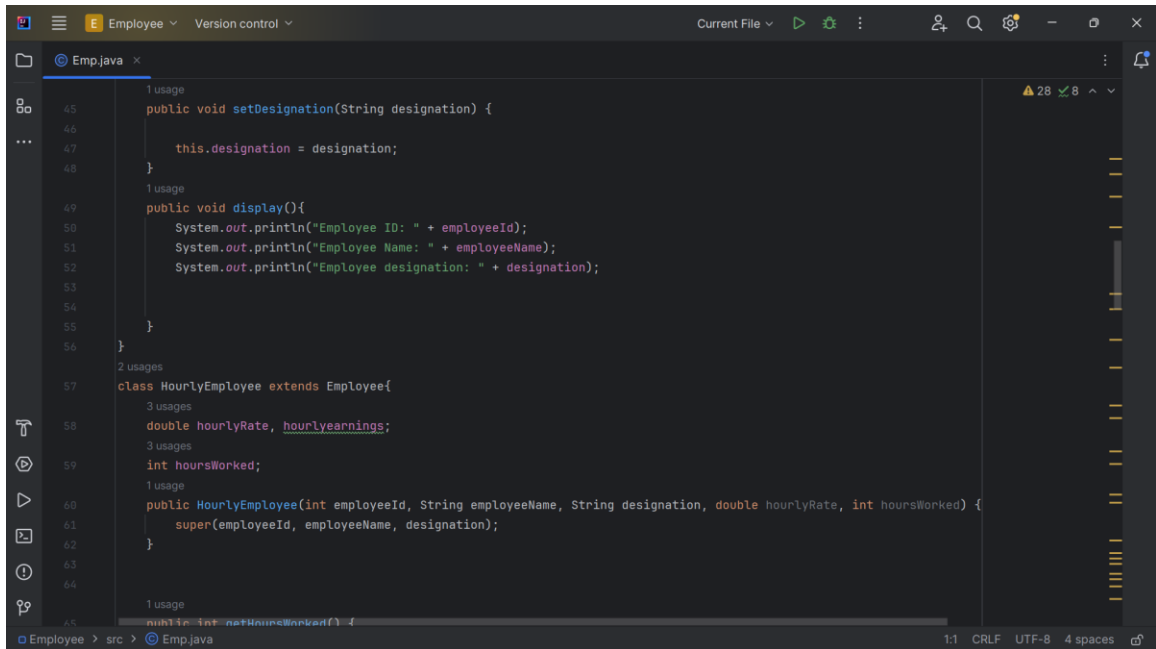
```
1 | 4 usages 3 inheritors
2 | class Employee {
3 |     4 usages
4 |     int employeeId;
5 |     4 usages
6 |     double bonus, monthlySalary;
7 |     4 usages
8 |     String employeeName, designation;
9 |
10 |
11 |     2 usages
12 |     public Employee(int employeeId, String employeeName, String designation) {
13 |         this.employeeId = employeeId;
14 |         this.employeeName = employeeName;
15 |         this.designation = designation;
16 |     }
17 |
18 |     2 usages
19 |     public Employee(){
20 |     }
21 |
22 |     1 usage 1 override
23 |     public double calculateBonus(){
24 |
25 |         return(bonus);
26 |     }
27 |
28 |
29 |
30 |
31 |
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```

Employee > src > Emp.java 1:1 CRLF UTF-8 4 spaces

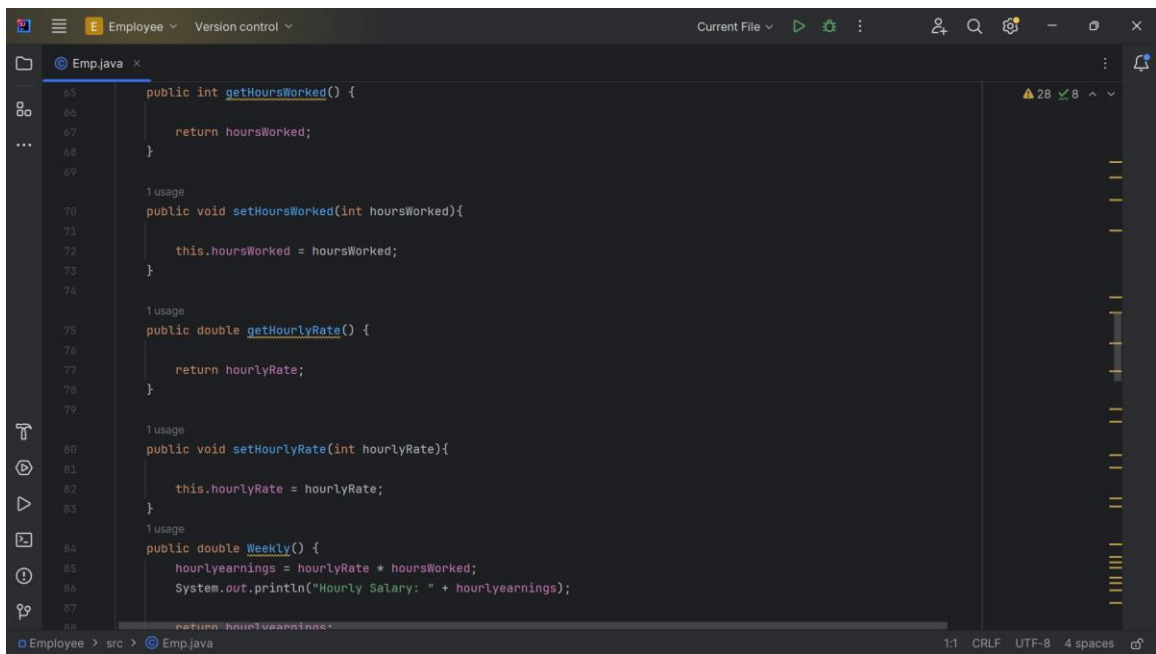


```
21 | 1 usage
22 | public int getEmployeeId() {
23 |
24 |     return employeeId;
25 | }
26 |
27 | 1 usage
28 | public void setEmployeeId(int employeeId) { this.employeeId = employeeId; }
29 |
30 | 1 usage
31 | public String getEmployeeName() {
32 |
33 |     return employeeName;
34 | }
35 |
36 | 1 usage
37 | public void setEmployeeName(String employeeName) {
38 |
39 |     this.employeeName = employeeName;
40 | }
41 |
42 | 1 usage
43 | public String getDesignation() {
44 |
45 |     return designation;
46 | }
47 |
48 |
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```

Employee > src > Emp.java 1:1 CRLF UTF-8 4 spaces



```
45 public void setDesignation(String designation) {
46
47     this.designation = designation;
48 }
49
50 public void display(){
51     System.out.println("Employee ID: " + employeeId);
52     System.out.println("Employee Name: " + employeeName);
53     System.out.println("Employee designation: " + designation);
54 }
55 }
56
57 class HourlyEmployee extends Employee{
58     double hourlyRate, houlyearnings;
59     int hoursWorked;
60     public HourlyEmployee(int employeeId, String employeeName, String designation, double hourlyRate, int hoursWorked) {
61         super(employeeId, employeeName, designation);
62     }
63
64     public int getHoursWorked() {
65
66     }
67 }
68
69 public void setHoursWorked(int hoursWorked){
70     this.hoursWorked = hoursWorked;
71 }
72
73 public double getHourlyRate() {
74     return hourlyRate;
75 }
76
77 public void setHourlyRate(int hourlyRate){
78     this.hourlyRate = hourlyRate;
79 }
80
81 public double Weekly() {
82     houlyearnings = hourlyRate * hoursWorked;
83     System.out.println("Hourly Salary: " + houlyearnings);
84 }
85
86 return houlyearnings;
87 }
```



```
65 public int getHoursWorked() {
66
67     return hoursWorked;
68 }
69
70 public void setHoursWorked(int hoursWorked){
71     this.hoursWorked = hoursWorked;
72 }
73
74 public double getHourlyRate() {
75     return hourlyRate;
76 }
77
78 public void setHourlyRate(int hourlyRate){
79     this.hourlyRate = hourlyRate;
80 }
81
82 public double Weekly() {
83     houlyearnings = hourlyRate * hoursWorked;
84     System.out.println("Hourly Salary: " + houlyearnings);
85 }
86
87 return houlyearnings;
88 }
```

This screenshot shows the IDE interface with the file `Emp.java` open. The editor displays the `SalariedEmployee` class, which extends the `Employee` class. The class includes attributes `monthlySalary` and `weekllySalary`, a constructor, and methods `getMonthlySalary` and `setMonthlySalary`. The left sidebar shows the project structure with `Employee` and `src` folders. The bottom status bar indicates the file encoding is UTF-8 and the line ending is CRLF.

```
88         return hourlyearnings;
89     }
90 }
91
92 3 usages 1 inheritor
93 class SalariedEmployee extends Employee {
94
95     4 usages
96     double monthlySalary, weekllySalary;
97     1 usage
98     public SalariedEmployee(int employeeId, String employeeName, String designation, double monthlySalary) {
99         super(employeeId, employeeName, designation);
100     }
101
102     2 usages
103     public double getMonthlySalary() {
104
105         return monthlySalary;
106     }
107
108     1 usage
109     public void setMonthlySalary(double monthlySalary){
110
111         this.monthlySalary = monthlySalary;
112     }
113 }
```

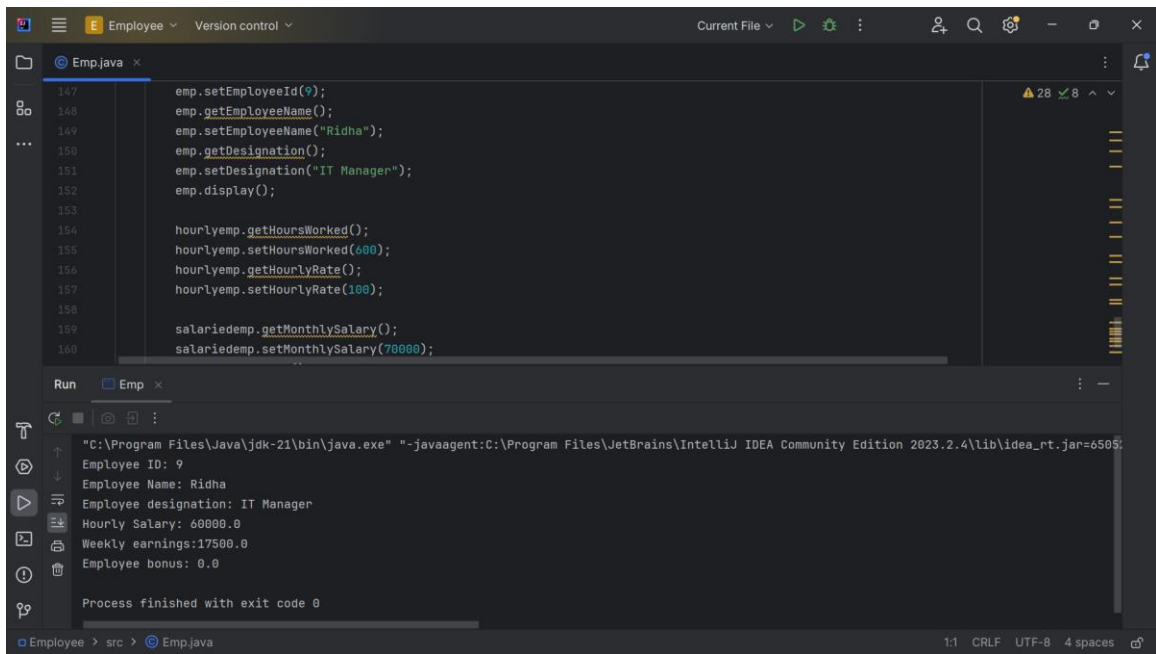
This screenshot shows the IDE interface with the file `Emp.java` open. The editor displays the `ExecutiveEmployee` class, which extends the `SalariedEmployee` class. The class includes a constructor, a `SalariedEmployee` method, and a `bonusPercentage` attribute. The left sidebar shows the project structure with `Employee` and `src` folders. The bottom status bar indicates the file encoding is UTF-8 and the line ending is CRLF.

```
110
111 1 usage
112 public SalariedEmployee(double monthlySalary, double weekllySalary)
113 {
114     super();
115 }
116
117 1 usage
118 public double SalariedEmployee(){
119     weekllySalary=monthlySalary/4;
120     System.out.println("Weekly earnings:" + weekllySalary);
121     return(weekllySalary);
122 }
123
124 2 usages
125 class ExecutiveEmployee extends SalariedEmployee{
126
127     no usages
128     double bonusPercentage;
129
130     1 usage
131     public ExecutiveEmployee(int employeeId, String employeeName, String designation, double monthlySalary, double weekllySalary) {
132         super(monthlySalary, weekllySalary);
133         this.monthlySalary = monthlySalary;
134     }
135 }
```

```
137 }
138
139 }
140 public class Emp {
141     public static void main(String args[]) {
142         Employee emp=new Employee();
143         HourlyEmployee hourlyemp = new HourlyEmployee( employeeId: 1, employeeName: "John", designation: "Intern", hourlyRate: 15.0, hoursWorked: 40);
144         SalariedEmployee salariedemp = new SalariedEmployee( employeeId: 2, employeeName: "Ridha", designation: "Manager", monthlySalary: 5000.0);
145         ExecutiveEmployee executiveemp = new ExecutiveEmployee( employeeId: 3, employeeName: "Rahul", designation: "Executive", monthlySalary: 10000);
146         emp.getEmployeeId();
147         emp.setEmployeeId(9);
148         emp.getEmployeeName();
149         emp.setEmployeeName("Ridha");
150         emp.getDesignation();
151         emp.setDesignation("IT Manager");
152         emp.display();
153
154         hourlyemp.getHoursWorked();
155         hourlyemp.setHoursWorked(600);
156         hourlyemp.getHourlyRate();
157         hourlyemp.setHourlyRate(100);
158
159         salariedemp.getMonthlySalary();
160         salariedemp.setMonthlySalary(70000);
161         hourlyemp.Weekly();
162         salariedemp.SalariedEmployee();
163
164         executiveemp.getMonthlySalary();
165         executiveemp.calculateBonus();
166     }
167 }
168 }
```

```
147     emp.setEmployeeId(9);
148     emp.getEmployeeName();
149     emp.setEmployeeName("Ridha");
150     emp.getDesignation();
151     emp.setDesignation("IT Manager");
152     emp.display();
153
154     hourlyemp.getHoursWorked();
155     hourlyemp.setHoursWorked(600);
156     hourlyemp.getHourlyRate();
157     hourlyemp.setHourlyRate(100);
158
159     salariedemp.getMonthlySalary();
160     salariedemp.setMonthlySalary(70000);
161     hourlyemp.Weekly();
162     salariedemp.SalariedEmployee();
163
164     executiveemp.getMonthlySalary();
165     executiveemp.calculateBonus();
166 }
167 }
168 }
```

OUTPUT:



```
Emp.java
147     emp.setEmployeeId(9);
148     emp.getEmployeeName();
149     emp.setEmployeeName("Ridha");
150     emp.getDesignation();
151     emp.setDesignation("IT Manager");
152     emp.display();
153
154     hourlyemp.getHoursWorked();
155     hourlyemp.setHoursWorked(600);
156     hourlyemp.getHourlyRate();
157     hourlyemp.setHourlyRate(100);
158
159     salariedemp.getMonthlySalary();
160     salariedemp.setMonthlySalary(70000);

Run Emp
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.4\lib\idea_rt.jar=6505...
Employee ID: 9
Employee Name: Ridha
Employee designation: IT Manager
Hourly Salary: 60000.0
Weekly earnings:17500.0
Employee bonus: 0.0
Process finished with exit code 0
```