

The screenshot shows an IDE with a Java source file and its output. The source file, `Employee.java`, defines an abstract class `Employee` with private final attributes `firstName`, `lastName`, `socialSecurityNumber`, and `birthDate`. It includes a constructor and four getter methods. The output window shows the results of running a program that uses this class, displaying information for two employees: Sue Jones (commission employee) and Bob Lewis (base-salaried commission employee), including their social security numbers, gross sales, commission rates, and earned amounts.

```
10  /**
11   *
12   * @author behlt
13   */
14   // Fig. 10.4: Employee.java
15   // Employee abstract superclass.
16
17   public abstract class Employee {
18       private final String firstName;
19       private final String lastName;
20       private final String socialSecurityNumber;
21       private final Date birthDate;
22
23       // constructor
24       public Employee(String firstName, String lastName,
25           String socialSecurityNumber, Date birthDate) {
26           this.firstName = firstName;
27           this.lastName = lastName;
28           this.socialSecurityNumber = socialSecurityNumber;
29           this.birthDate = birthDate;
30       }
31
32       // return first name
33       public String getFirstName() {return firstName;}
34
35       // return last name
36       public String getLastName() {return lastName;}
37
38       // return social security number
39       public String getSocialSecurityNumber() {return socialSecurityNumber;}
40
41       // return birth date
42       public Date getBirthDate() {return birthDate;}
```

Output X

Run (PayRollSystem) X PayRollSystem - D:\Netbeans\PayRollSystem X

earned: \$670.00

commission employee: Sue Jones
social security number: 333-33-3333
gross sales: \$10,000.00; commission rate: 0.06
earned: \$600.00

base-salaried commission employee: Bob Lewis
social security number: 444-44-4444
gross sales: \$5,000.00; commission rate: 0.04; base salary: \$300.00
earned: \$500.00

Employees processed polymorphically:

<https://github.com/ReetzL/PayRollSystem>