Polymorphism Tasks:
==========
Q1:
Project : EmployeeDetai1s
Package : org.emp
Class   : Employee
Methods : empld()

Description
You have to overload the method empld()
based on different datatype in arguments.

Q2:
Project : CompanyDetai1s
Package : org. company
Class   : Company Info
Methods : companyName()

Description
You have to overload the method
companyName() based on different Number of arguments .

Q3:
Project : MyPhone
Package : org.phone
Class   : Phone
Methods : phonelnfo()

Description
You have to overload the method phonelnfo()
based on different datatype order in arguments.

Q4:
Project : BankDetai1s
Package : org.bank
Class   : Bank Info
Methods : saving() , fixed() , deposit()

Class   :AxisBank
Methods : deposit()

Description:
You have to override the method deposit in AxisBank.

Q5:
Project : Educationlnformation
Package :org.edu
Class   : Education
Methods :ug(),pg()

Class   :Arts
Methods :bSc(),bEd(),bA(),bBa(),ug(),pg()

Description:
You have to override the method ug(),pg() in
Arts.

eclipse-workspace - EmployeeDetails1/src/org/emp/Employee.java - Eclipse IDE

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EmployeeDetails1 › src › org.emp › Employee.java

Package Explorer

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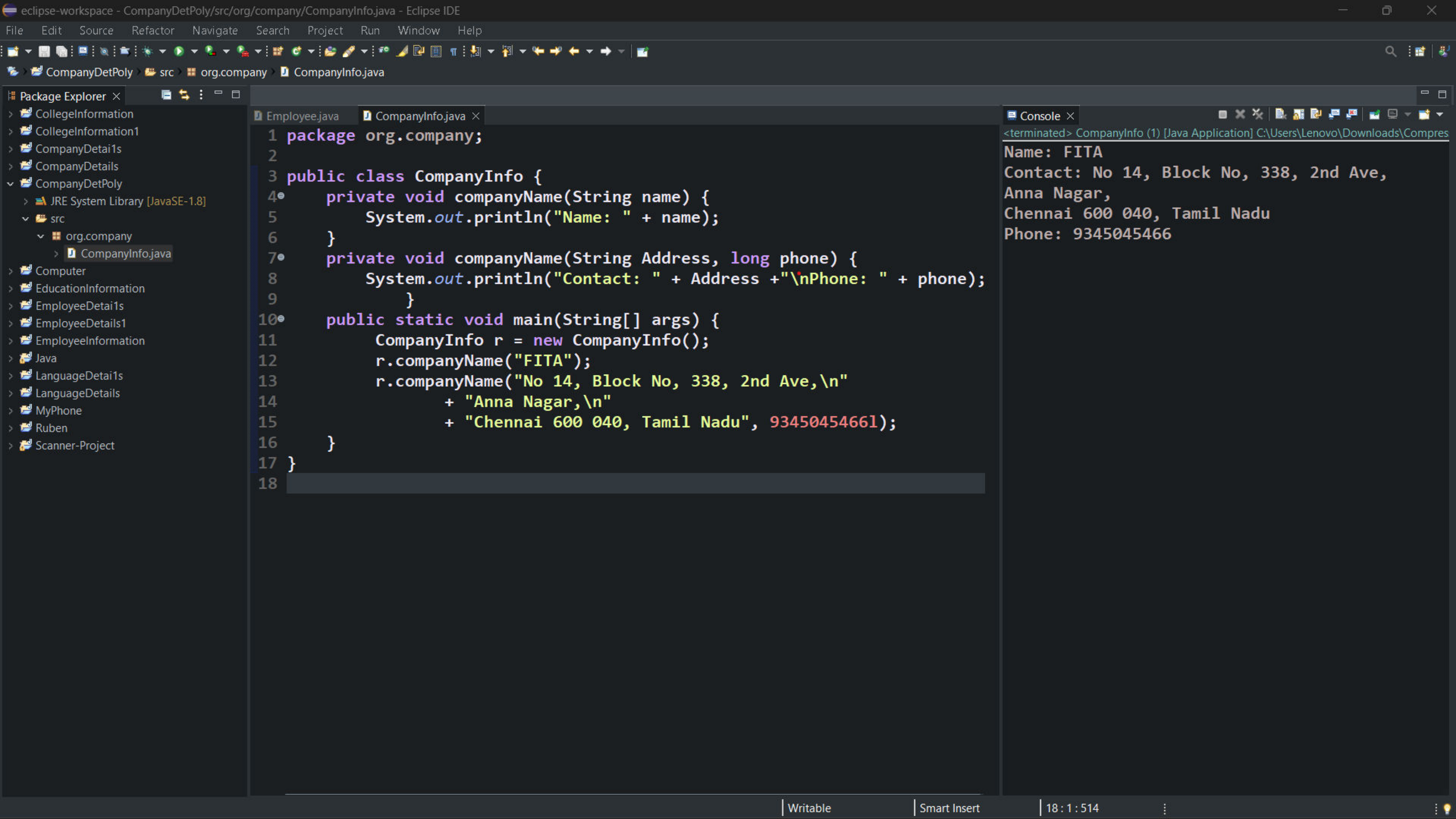
Employee.java

```
1  package org.emp;
2
3  public class Employee {
4      private void empid(int id) {
5  System.out.println("Employee Id : " + id);
6      }
7      private void empid(String name) {
8          System.out.println("Employee Name: " + name);
9      }
10     private void empid(long phno) {
11         System.out.println("Employee Contact: " + phno);
12     }
13     private void empid(String des, String role)
14     {
15         System.out.println("Designation & Role: " + des +"\t"+ role);
16     }
17     public static void main(String[] args) {
18         Employee e = new Employee();
19         e.empid(174524);
20         e.empid(9988445510254571);
21         e.empid("Rajan");
22         e.empid("Tester", "SME");
23
24     }
25 }
26
```

Console

<terminated> Employee (3) [Java Application] C:\Users\Lenovo\Downloads\Compressed

```
Employee Id : 174524
Employee Contact: 998844551025457
Employee Name: Rajan
Designation & Role: Tester      SME
```


eclipse-workspace - CompanyDetPoly/src/org/company/CompanyInfo.java - Eclipse IDE
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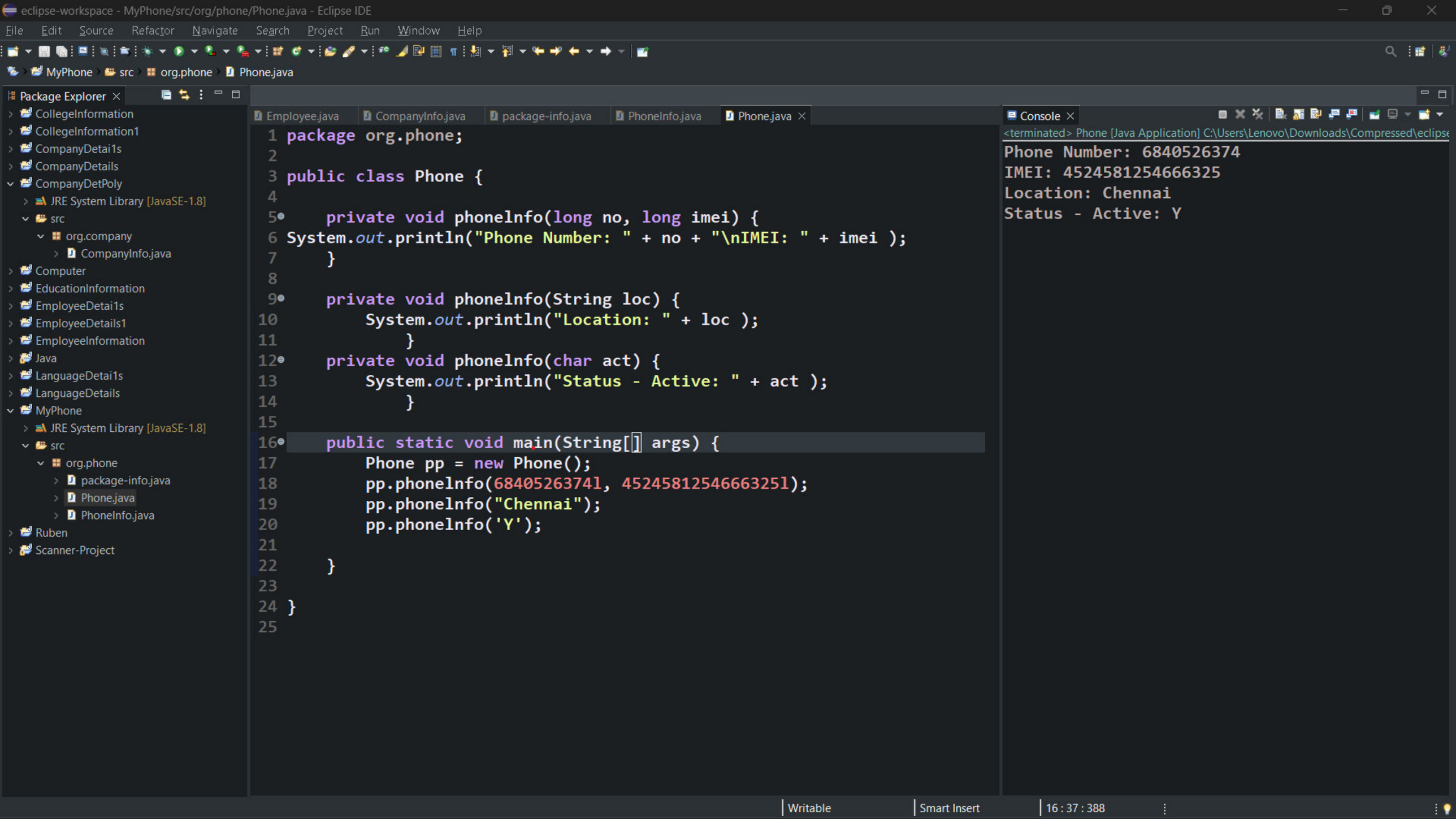
Employee.java
CompanyInfo.java
1 package org.company;
2
3 public class CompanyInfo {
4 private void companyName(String name) {
5 System.out.println("Name: " + name);
6 }
7 private void companyName(String Address, long phone) {
8 System.out.println("Contact: " + Address +"\nPhone: " + phone);
9 }
10 public static void main(String[] args) {
11 CompanyInfo r = new CompanyInfo();
12 r.companyName("FITA");
13 r.companyName("No 14, Block No, 338, 2nd Ave,\n"
14 + "Anna Nagar,\n"
15 + "Chennai 600 040, Tamil Nadu", 93450454661);
16 }
17 }
18
Console
<terminated> CompanyInfo (1) [Java Application] C:\Users\Lenovo\Downloads\Compres
Name: FITA
Contact: No 14, Block No, 338, 2nd Ave,
Anna Nagar,
Chennai 600 040, Tamil Nadu
Phone: 9345045466
Writable
Smart Insert
18 : 1 : 514


eclipse-workspace - MyPhone/src/org/phone/Phone.java - Eclipse IDE
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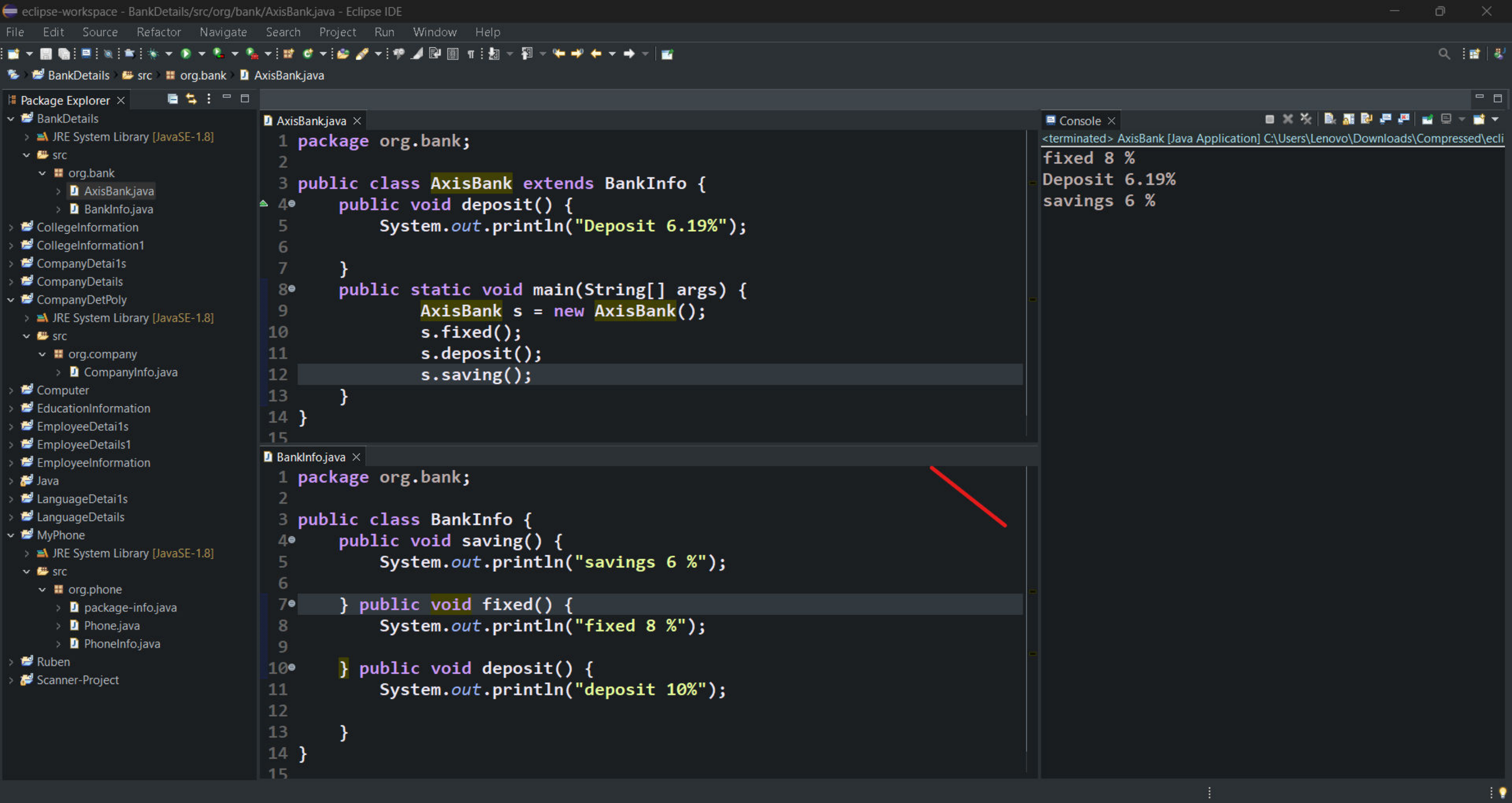
Ruben
Scanner-Project
Employee.java
CompanyInfo.java
package-info.java
PhoneInfo.java
Phone.java
1 package org.phone;
2
3 public class Phone {
4
5 private void phoneInfo(long no, long imei) {
6 System.out.println("Phone Number: " + no + "\nIMEI: " + imei );
7 }
8
9 private void phoneInfo(String loc) {
10 System.out.println("Location: " + loc );
11 }
12 private void phoneInfo(char act) {
13 System.out.println("Status - Active: " + act );
14 }
15
16 public static void main(String[] args) {
17 Phone pp = new Phone();
18 pp.phoneInfo(68405263741, 45245812546663251);
19 pp.phoneInfo("Chennai");
20 pp.phoneInfo('Y');
21
22 }
23
24 }
25
Console
<terminated> Phone [Java Application] C:\Users\Lenovo\Downloads\Compressed\eclipse
Phone Number: 6840526374
IMEI: 4524581254666325
Location: Chennai
Status - Active: Y
Writable
Smart Insert
16 : 37 : 388


eclipse-workspace - BankDetails/src/org/bank/AxisBank.java - Eclipse IDE
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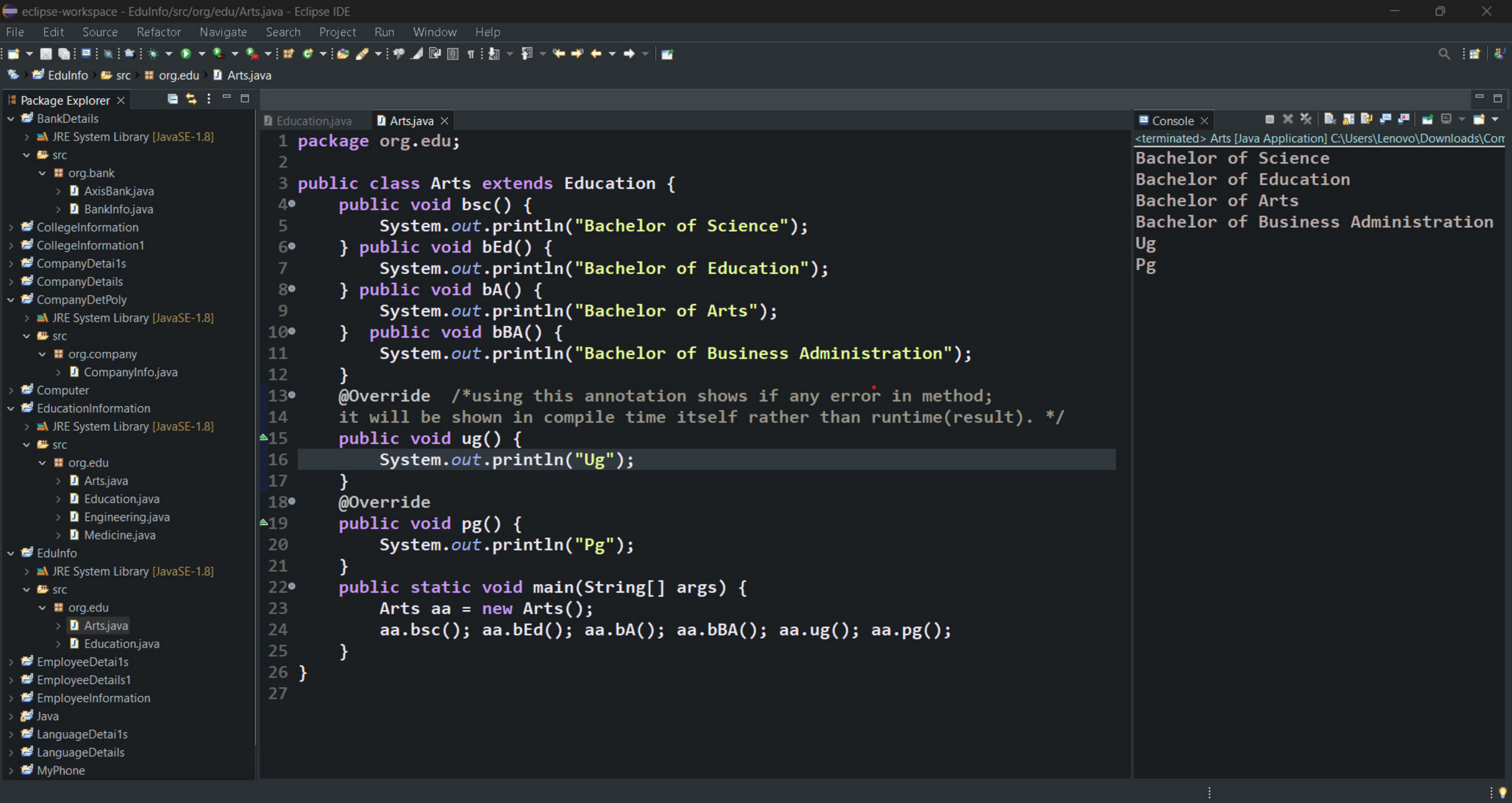
Scanner-Project
AxisBank.java
1 package org.bank;
2
3 public class AxisBank extends BankInfo {
4 public void deposit() {
5 System.out.println("Deposit 6.19%");
6
7 }
8 public static void main(String[] args) {
9 AxisBank s = new AxisBank();
10 s.fixed();
11 s.deposit();
12 s.saving();
13 }
14 }
15
BankInfo.java
1 package org.bank;
2
3 public class BankInfo {
4 public void saving() {
5 System.out.println("savings 6 %");
6
7 } public void fixed() {
8 System.out.println("fixed 8 %");
9
10 } public void deposit() {
11 System.out.println("deposit 10%");
12
13 }
14 }
15
Console
<terminated> AxisBank [Java Application] C:\Users\Lenovo\Downloads\Compressed\ecli
fixed 8 %
Deposit 6.19%
savings 6 %


eclipse-workspace - EduInfo/src/org/edu/Arts.java - Eclipse IDE
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LanguageDetails
MyPhone
Education.java
Arts.java
1 package org.edu;
2
3 public class Arts extends Education {
4 public void bsc() {
5 System.out.println("Bachelor of Science");
6 } public void bEd() {
7 System.out.println("Bachelor of Education");
8 } public void bA() {
9 System.out.println("Bachelor of Arts");
10 } public void bBA() {
11 System.out.println("Bachelor of Business Administration");
12 }
13 @Override /*using this annotation shows if any error in method;
14 it will be shown in compile time itself rather than runtime(result). */
15 public void ug() {
16 System.out.println("Ug");
17 }
18 @Override
19 public void pg() {
20 System.out.println("Pg");
21 }
22 public static void main(String[] args) {
23 Arts aa = new Arts();
24 aa.bsc(); aa.bEd(); aa.bA(); aa.bBA(); aa.ug(); aa.pg();
25 }
26 }
27
Console
<terminated> Arts [Java Application] C:\Users\Lenovo\Downloads\Com
Bachelor of Science
Bachelor of Education
Bachelor of Arts
Bachelor of Business Administration
Ug
Pg