# Exercise 01:

class Employee {

private int empID;

private String empName;

private String empDesignation;

public int getEmpID() {

return empID;

}

public String getEmpName() {

return empName;

}

public String getEmpDesignation() {

return empDesignation;

}

public void setEmpID(int empID) {

this.empID = empID;

}

public void setEmpName(String empName) {

this.empName = empName;

}

public void setEmpDesignation(String empDesignation) {

this.empDesignation = empDesignation;

}

}

public class EmployeeTest {

public static void main(String[] args) {

Employee mrBogdan = new Employee();

mrBogdan.setEmpID(101);

mrBogdan.setEmpName("Mr.Bogdan");

mrBogdan.setEmpDesignation("Manager");

Employee msBird = new Employee();

msBird.setEmpID(202);

msBird.setEmpName("Ms.Bird");

msBird.setEmpDesignation("Developer");

System.out.println("Employee ID: " + mrBogdan.getEmpID());

System.out.println("Employee Name: " + mrBogdan.getEmpName());

System.out.println("Employee Designation: " + mrBogdan.getEmpDesignation());

System.out.println("Employee ID: " + msBird.getEmpID());

System.out.println("Employee Name: " + msBird.getEmpName());

System.out.println("Employee Designation: " + msBird.getEmpDesignation());

}

}

# Exercise 02:

Output Answer: 9

6

public class Main {

public static void main(String[] args) {

SuperB b = new SuperB();

b.setIt(2);

b.increase();

b.triple();

System.out.println(b.returnIt());

SubC c = new SubC();

c.setIt(2);

c.increase();

c.triple();

System.out.println(c.returnIt());

}

}

class SubC extends SuperB {

void triple() {

x = x + 3; // override existing method

}

void quadruple() {

x = x \* 4; // new method

}

}

class SuperB {

int x;

void setIt(int n) {

x = n;

}

void increase() {

x = x + 1;

}

void triple() {

x = x \* 3;

}

int returnIt() {

return x;

}

}