Practical 04

01)

Start Page | EmployeeTest.java | Employee.java

Source | History

```
1
2   package com.mycompany.employeetest;
3
4   public class Employee
5   {
6       private int empID;
7       private String empName, empDesignation;
8
9       public int getEmpID() {
10          return empID;
11      }
12      public void setEmpID(int empID) {
13          this.empID = empID;
14      }
15      public String getEmpName() {
16          return empName;
17      }
18      public void setEmpName(String empName) {
19          this.empName = empName;
20      }
21      public String getEmpDesignation() {
22          return empDesignation;
23      }
24      public void setEmpDesignation(String empDesignation) {
25          this.empDesignation = empDesignation;
26      }
27  }
```

Start Page | EmployeeTest.java | Employee.java

Source | History

```
1
2   package com.mycompany.employeetest;
3
4   public class EmployeeTest
5   {
6
7   public static void main(String[] args, String name, String Age, String Salary)
8       {
9   {
10          Employee bogdan = new Employee();
11          bogdan.setEmpID(empID: 1);
12          bogdan.setEmpName(empName: "Mr. Bogdan");
13          bogdan.setEmpDesignation(empDesignation: "Manager");
14
15          Employee bird = new Employee();
16          bird.setEmpID(empID: 2);
17          bird.setEmpName(empName: "Ms. Bird");
18          bird.setEmpDesignation(empDesignation: "Engineer");
19
20          System.out.println("Employee ID: " + bogdan.getEmpID());
21          System.out.println("Employee Name: " + bogdan.getEmpName());
22          System.out.println("Employee Designation: " + bogdan.getEmpDesignation());
23
24          System.out.println("Employee ID: " + bird.getEmpID());
25          System.out.println("Employee Name: " + bird.getEmpName());
26          System.out.println("Employee Designation: " + bird.getEmpDesignation());
27      }
28  }
29  }
```

02)

Start Page | TestInheritance.java | SuperB.java | SubC.java

Source | History

```
1
2   package com.mycompany.testinheritance;
3
4   public class TestInheritance {
5
6       public static void main(String[] args)
7       {
8           SuperB b = new SuperB();
9           b.setIt(n: 2);
10          b.increase();
11          b.triple();
12          System.out.println(x: b.returnIt());
13
14          SubC c = new SubC();
15          c.setIt(n: 2);
16          c.increase();
17          c.triple();
18          System.out.println(x: c.returnIt());
19      }
20  }
21
```

Start Page | TestInheritance.java | SuperB.java | SubC.java

Source | History

```
1
2   package com.mycompany.testinheritance;
3
4   class SuperB {
5       int x;
6       void setIt (int n) { x=n; }
7       void increase () { x=x+1; }
8       void triple () { x=x*3; }
9       int returnIt () { return x; }
10  }
```

Start Page | TestInheritance.java | SuperB.java | SubC.java

Source | History

```
1
2   package com.mycompany.testinheritance;
3
4   class SubC extends SuperB
5   {
6       @Override
7       void triple () { x=x+3; } // override existing method
8       void quadruple () { x=x*4; } // new method
9   }
10
```

03)