Nama : Restu Lestari Mulianingrum

NIM : A11.2022.14668

Kelompok : A11.4415

**PRAKTIKUM 7**

**Turunan (Inheritance)**

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| **Bicycle.java** |
| class Bicycle {      int speed = 0;      int gear = 0;      // method      void changeGear(int newValue) {          gear = gear + newValue;          System.out.println(" \nGear:" + gear);      }      void speedUp(int increment) {          speed = speed + increment;          System.out.println(" \nSpeed:" + speed);      }  } |
| **MountainBike.java** |
| class MountainBike extends Bicycle {      int seatHeight;        public void setHeight(int newValue) {          seatHeight = newValue;          System.out.println("Seat Height: "+seatHeight);      }  }  class MountainBikeDemo {      public static void main(String[] args) {          // Membuat object          MountainBike mbike = new MountainBike();          // Memanggil method di object          mbike.speedUp(10);          mbike.changeGear(2);          mbike.setHeight(20);      }  } |
| **MountainBikeDemo.java** |
| class MountainBikeDemo {      public static void main(String[] args) {          // Membuat object          MountainBike mbike = new MountainBike();          // Memanggil method di object          mbike.speedUp(10);          mbike.changeGear(2);          mbike.setHeight(20);      }  } |
| **Output** |
|  |

**Tes Turunan**

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| --- |
| **TestTurunan.java** |
| class Satu {      Satu() {          System.out.println("Satu....");      }  }  class Dua extends Satu {      Dua() {          System.out.println("Dua....");      }  }  class Tiga extends Dua {      Tiga() {          System.out.println("Tiga....");      }  }  class Empat extends Tiga {      Empat() {          System.out.println("Empat....");      }  }  public class TestTurunan {      public static void main(String[] args) {          new Empat();      }  } |
| **Output** |
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| **TestTurunan2.java** |
| class Satu {      Satu(String s) {          System.out.println("Satu...." + s);      }  }  class Dua extends Satu {      Dua(String s) {          super(s);          System.out.println("Dua....");      }  }  class Tiga extends Dua {      Tiga(String s) {          super(s);          System.out.println("Tiga....");      }  }  class Empat extends Tiga {      Empat(String s) {          super(s);          System.out.println("Empat....");      }  }  public class TestTurunan2 {      public static void main(String[] args) {          new Empat("Kiriman untuk mbah buyut..... alfatihah");      }  } |
| **Output** |
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**Latihan 1**

|  |  |
| --- | --- |
| **Mobil2.java** | |
| public class Mobil2 {      int roda = 4;      int body = 1;      static int mesin = 1;      String warna;      static void maju() {          System.out.println("Maju.....");      }      void mundur() {          System.out.println("Mundur.....");      }      void belok() {          System.out.println("Belok.....");      }      void hidupkanMobil() {          System.out.println("Hidupkan Mobil  : " + warna);      }      void matikanMobil() {          System.out.println("Matikan Mobil   : " + warna);      }      void ubahGigi() {          System.out.println("Ubah Gigi   : " + warna);      }  } | |
| **Mobil2BMW.java** | **Mobil2MBWDemo.java** |
| public class Mobil2BMW extends Mobil2 {      public void nontonTV() {          System.out.println("TV dihidupkan");          System.out.println("TV mencari channel");          System.out.println("TV menampilkan gambar");      }  } | public class Mobil2BMWDemo {      public static void main(String[] args) {          Mobil2BMW BMW = new Mobil2BMW();          BMW.warna = "Merah";          BMW.hidupkanMobil();          BMW.nontonTV();          BMW.ubahGigi();          BMW.matikanMobil();      }  } |
| **Output** | |
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**Latihan 2**