Nama : Restu Lestari Mulianingrum

NIM : A11.2022.14668

Kelompok : A11.4415

**PRAKTIKUM 10**

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| **Bangun2D.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public abstract class Bangun2D {      public abstract void cetakLuas();      public abstract void cetakKeliling();  } |
| **BujurSangkar.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class BujurSangkar extends Bangun2D {      private int sisi;      public BujurSangkar(int sisi) {          this.sisi = sisi;          System.out.println("Sisi Bujur Sangkar\t: " + sisi);      }      public void cetakLuas() {          int luas = sisi \* sisi;          System.out.println("Luas Bujur Sangkar\t: " + luas);      }      public void cetakKeliling() {          int keliling = 4 \* sisi;          System.out.println("Keliling Bujur Sangkar\t: " + keliling);      }  } |
| **Bangun2DDemo.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class Bangun2DDemo {      public static void main(String[] args) {          BujurSangkar bs = new BujurSangkar(5);          bs.cetakKeliling();          bs.cetakLuas();      }  } |
| **Output** |
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**Latihan 1**

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| **Kamera.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public interface Kamera {      public void setPixel(float pixel);      public void ambilGambar();  } |
| **Telepon.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  abstract class Telepon {      protected long nomer;      public void telpon() {          System.out.println("Sedang Menelepon");      }  } |
| **Handphone.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class Handphone extends Telepon implements Kamera, Radio {      private String gelombang;      private float pixel;      public void ambilGambar(){          System.out.println("Gambar terambil...");      }      public void setGelombang(String gel){          this.gelombang=gel;      }      public void setPixel(float pixel){          this.pixel=pixel;      }      public void setNomor(long no){          this.nomer=no;      }  } |
| **TeleponDemo.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class TeleponDemo {      public static void main(String[] args) {          Handphone hp = new Handphone();          hp.setNomor(8183434);          hp.telpon();          hp.setPixel(1024);          hp.ambilGambar();          hp.setGelombang("FM 101.2");      }  } |
| **Output** |
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**Latihan 2**

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| **Binatang.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  abstract class Binatang {      abstract void makan();      abstract void tidur();      void mati() {          System.out.println("Mati..........");      }  } |
| **Harimau.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  class Harimau extends Binatang {      void makan() {          System.out.println("Harimau Makan..........");      }      void tidur() {          System.out.println("Harimau tidur..........");      }  } |
| **Bebek.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  class Bebek extends Binatang {      void makan() {          System.out.println("Bebek Makan..........");      }      void tidur() {          System.out.println("Bebek tidur..........");      }  } |
| **Zoo3Abstract.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class Zoo3Abstract {      static void test(Binatang a){          a.makan();          a.tidur();          a.mati();      }      public static void main(String[] args) {          Harimau macan = new Harimau();          Bebek donald = new Bebek();          // Binatang b = new Binatang(); -> error abstract class tidak bisa dibuat objek          test(macan);          test(donald);      }  } |
| **Output** |
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**Latihan 3**

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| **Mebel** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class Mebel {      public int harga;      public String bahan;  } |
| **Discountable.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public interface Discountable {      public void discount(int harga);  } |
| **Meja.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class Meja extends Mebel {      public int jmlKaki;  } |
| **MejaMakan.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class MejaMakan extends Meja {      public int jmlKursi;        void cetak() {          System.out.println("Harga\t\t: " + harga);          System.out.println("Bahan\t\t: " + bahan);          System.out.println("Jumlah Kaki\t: " + jmlKursi);          System.out.println("Jumlah Kaki\t: " + jmlKaki);          System.out.println("Bayar\t\t: " + (harga));      }  } |
| **MejaTamu.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class MejaTamu extends Meja implements Discountable {      public String bentukKaca;      float discount;      public void discount(int harga) {          discount = harga \* 0.1f;      }      void cetak() {          System.out.println("Harga\t\t: " + harga);          System.out.println("Bahan\t\t: " + bahan);          System.out.println("Jumlah Kaki\t: " + jmlKaki);          System.out.println("Kaca\t\t: " + bentukKaca);          System.out.println("Discount\t: " + discount);          System.out.println("Bayar\t\t: " + (harga - discount));      }  } |
| **Almari.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class Almari extends Mebel {      boolean roda;  } |
| **AlmariMakan.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class AlmariMakan extends Almari implements Discountable {      int jmlRoda;      float discount;      public void discount(int harga) {          discount = harga \* 0.15f;      }      void cetak(){          System.out.println("Harga\t\t: " + harga);          System.out.println("Bahan\t\t: " + bahan);          System.out.println("Jumlah Roda\t: " + jmlRoda);          System.out.println("Discount\t: " + discount);          System.out.println("Bayar\t\t: " + (harga - discount));      }  } |
| **AlmariPakaian.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class AlmariPakaian extends Almari implements Discountable {      int jmlPintu;      float discount;      public void discount(int harga) {          discount = harga \* 0.15f;      }      void cetak() {          System.out.println("Harga\t\t: " + harga);          System.out.println("Bahan\t\t: " + bahan);          System.out.println("Jumlah Pintu\t: " + jmlPintu);          System.out.println("Roda\t\t :" + roda);          System.out.println("Discount\t: " + discount);          System.out.println("Bayar\t\t: " + (harga - discount));      }  } |
| **MebelDemo.java** |
| /\*   \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license   \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template   \*/  package com.restu.praktikum\_10;  /\*\*   \*   \* @author Restu   \*/  public class MebelDemo {      public static void main(String[] args) {          System.out.println("---------------MEJA TAMU---------------");          MejaTamu mt = new MejaTamu();          mt.harga = 5000000;          mt.bahan = "Jati";          mt.jmlKaki = 4;          mt.bentukKaca = "Oval";          mt.discount(mt.harga);          mt.cetak();          System.out.println("---------------MEJA MAKAN---------------");          MejaMakan mm = new MejaMakan();          mm.harga = 5000000;          mm.bahan = "Jati";          mm.jmlKaki = 4;          mm.jmlKursi = 6;          mm.cetak();          System.out.println("---------------ALMARI PAKAIAN---------------");          AlmariPakaian ap = new AlmariPakaian();          ap.harga = 5000000;          ap.bahan = "Stainless";          ap.jmlPintu = 3;          ap.roda = false;          ap.discount(ap.harga);          ap.cetak();          System.out.println("---------------ALMARI MAKAN---------------");          AlmariMakan am = new AlmariMakan();          am.harga = 5000000;          am.bahan = "Stainless";          am.jmlRoda = 4;          am.discount(ap.harga);          am.cetak();      }  } |
| **Output** |
|  |