

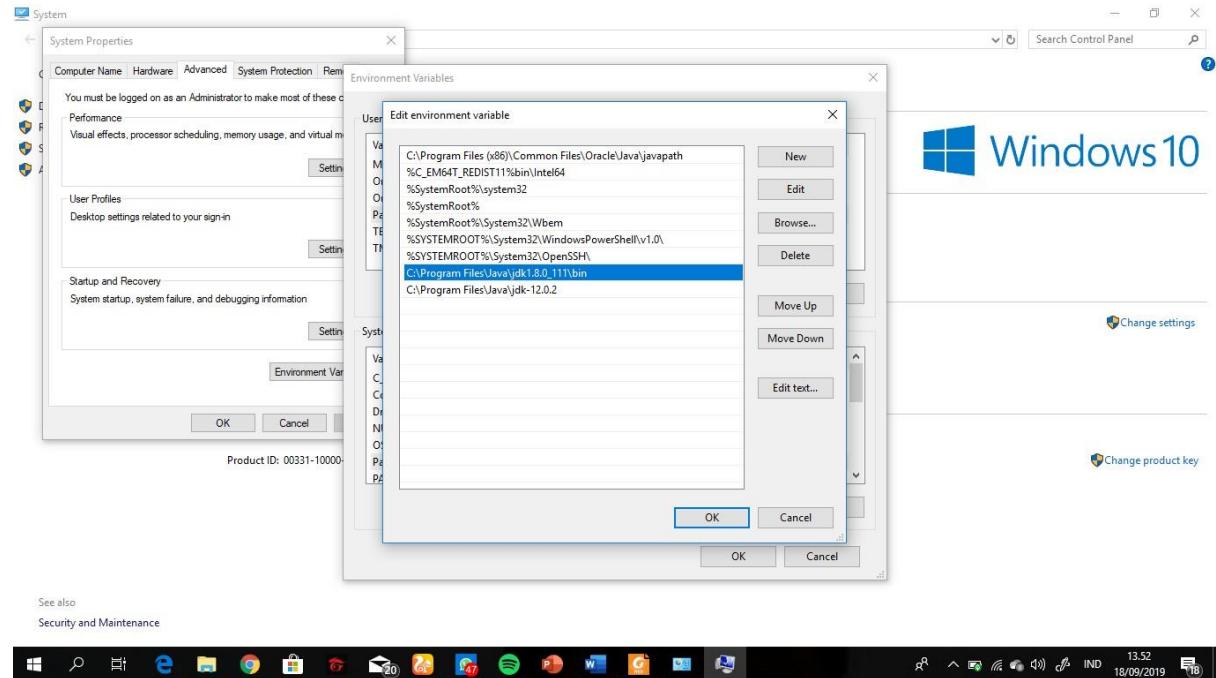
Nama : Abid Muhamad Taufiq

NIM : L200180059

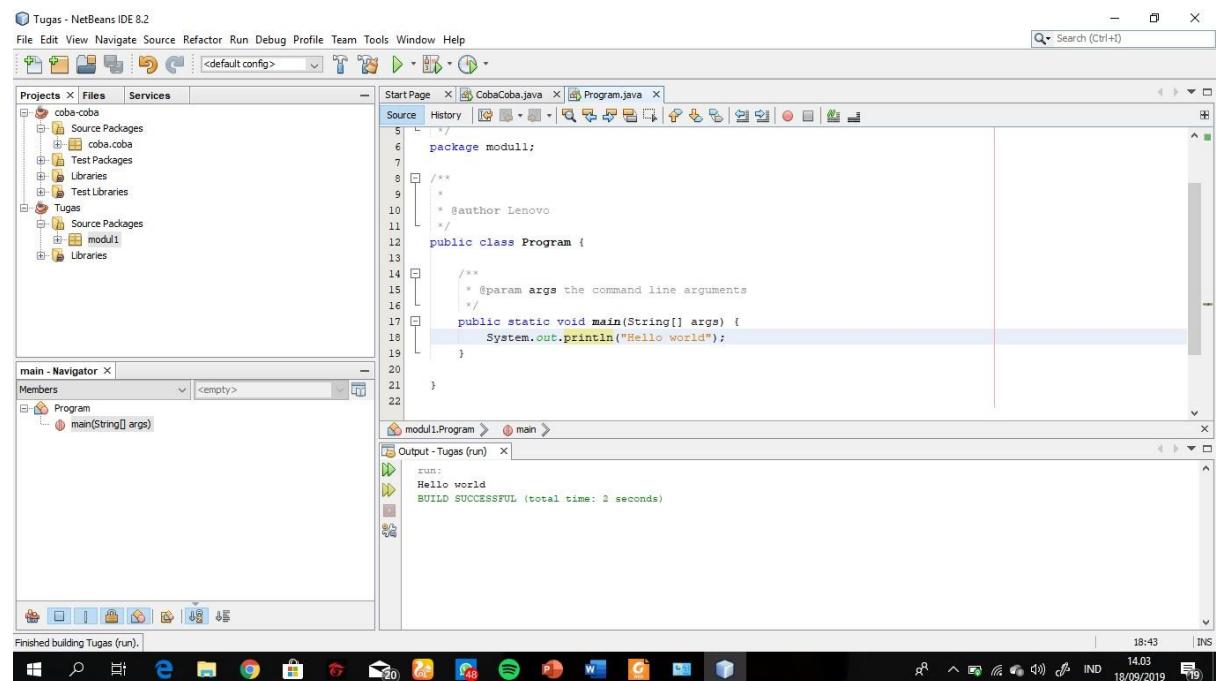
Kelas : B

MODUL 1

Menambahkan path :



Kode program :



Modul 2

The screenshot shows a Windows desktop environment with three windows open:

- Roti.java - Notepad**: A Java code editor containing the definition of a class named Roti. It includes methods for setting color (beriWarna), flavor (beriRasa), weighing (timbangBerat), pricing (hargaJual), and printing information (infoRoti).
- RotiDemo.java - Notepad**: A Java code editor containing the main method of a class named RotiDemo. It creates a Roti object, sets its color to "Hijau", flavor to "Pandan", weighs it at 30g, prices it at 6000, and prints its info.
- cmd.exe**: A command-line interface window showing the execution of javac DosenDemo.java and java RotiDemo. The output displays the printed information: Warna roti : Hijau, Rasa Roti : Pandan, Berat Roti : 30, Harga Roti : Rp. 6000.0.

The taskbar at the bottom shows several icons, and the system tray indicates the date and time as 8:53 AM on 9/20/2019.

```
public class Roti{
    String warna;
    String rasa;
    int berat;
    double harga;

    void beriWarna(String warnaRoti){
        warna = warnaRoti;
    }

    void beriRasa(String rasaRoti){
        rasa = rasaRoti;
    }

    void timbangBerat(int beratRoti){
        berat = beratRoti;
    }

    void hargaJual(double hargaRoti){
        harga = hargaRoti;
    }

    void infoRoti(){
        System.out.println(
            "Warna roti : " + warna + "\n" +
            "Rasa Roti : " + rasa + "\n" +
            "Berat Roti : " + berat + "\n" +
            "Harga Roti : Rp. " + harga);
    }
}

public class RotiDemo{
    public static void main(String[] args){
        Roti roti = new Roti();
        roti.beriWarna("Hijau");
        roti.beriRasa("Pandan");
        roti.timbangBerat(30);
        roti.hargaJual(6000);
        roti.infoRoti();
    }
}
```

```
D:\>javac DosenDemo.java
DosenDemo.java:1: error: class DosenDemo is public, should be declared in a file
named DosenDemo.java
public class DosenDemo<
^
1 error

D:\>java DosenDemo
Masukan NIM : Heru
NIM : 1101
Pendidikan : S3 Oxford
Tanggal lahir : 1 Januari 1980

D:\>
D:\>java RotiDemo
Warna roti : Hijau
Rasa Roti : Pandan
Berat Roti : 30
Harga Roti : Rp. 6000.0
```

Hewan.java - Notepad

```
public class Hewan{
    String nama;
    int kaki;
    String makan;
    String type;

    void beriNama(String namaHewan){
        nama = namaHewan;
    }

    void beriKaki(int jumlahKaki){
        kaki = jumlahKaki;
    }

    void beriMakan(String makanan){
        makan = makanan;
    }

    void beriType(String typeHewan){
        type = typeHewan;
    }

    void infoHewan(){
        System.out.println(
            "Nama Hewan : " + nama + "\n" +
            "Jumlah Kaki : " + kaki + "\n" +
            "Makanan : " + makan + "\n" +
            "Type Hewan : " + type + "\n");
    }
}
```

HewanDemo.java - Notepad

```
public class HewanDemo{
    public static void main(String[] args) {
        Hewan hewan1 = new Hewan();
        Hewan hewan2 = new Hewan();

        hewan1.beriNama("Gajah");
        hewan1.beriKaki(4);
        hewan1.beriMakan("rumput");
        hewan1.beriType("omnivora");
        hewan1.infoHewan();
    }
}
```

cmd C:\Windows\system32\cmd.exe

```
D:>java RotiDemo
Nama roti : Hijau
Basa Roti : Pandan
Berat Roti : 30
Harga Roti : Rp. 6000.00

D:>java Hewan
Error: Main method not found in class Hewan, please define the main method as:
or a JavaFX application class must extend javafx.application.Application

D:>java HewanDemo
Nama Hewan : Gajah
Jumlah Kaki : 4
Makanan : rumput
Type Hewan : omnivora

Nama Hewan : Harimau
Jumlah Kaki : 4
Makanan : daging
Type Hewan : karnivora

D:>
```

Dosen.java - Notepad

```
public class Dosen{
    String nama;
    int nik;
    String pendidikan;
    String tglLahir;

    void tampilanNama(String namaDosen){
        nama = namaDosen;
    }

    void tampilantglLahir(String tanggalLahir){
        tglLahir = tanggalLahir;
    }

    void tampilanNik(int nikDosen){
        nik = nikDosen;
    }

    void tampilanPendidikan(String pendidikanDosen){
        pendidikan = pendidikanDosen;
    }

    void infoDosen(){
        System.out.println(
            "Nama Dosen : " + nama + "\n" +
            "NIK : " + nik + "\n" +
            "Pendidikan : " + pendidikan + "\n" +
            "Tanggal lahir : " + tglLahir );
    }
}
```

DosenDemo.java - Notepad

```
public class DosenDemo{
    public static void main(String[] args) {
        Dosen dosen = new Dosen();
        dosen.tampilanNama("Heru");
        dosen.tampilanNik(101);
        dosen.tampilanPendidikan("S3 Oxford");
        dosen.tampilantglLahir("1 Januari 1980");
        dosen.infoDosen();
    }
}
```

cmd C:\Windows\system32\cmd.exe

```
D:>java HewanDemo
Nama Hewan : Gajah
Jumlah Kaki : 4
Makanan : rumput
Type Hewan : omnivora

Nama Hewan : Harimau
Jumlah Kaki : 4
Makanan : daging
Type Hewan : karnivora

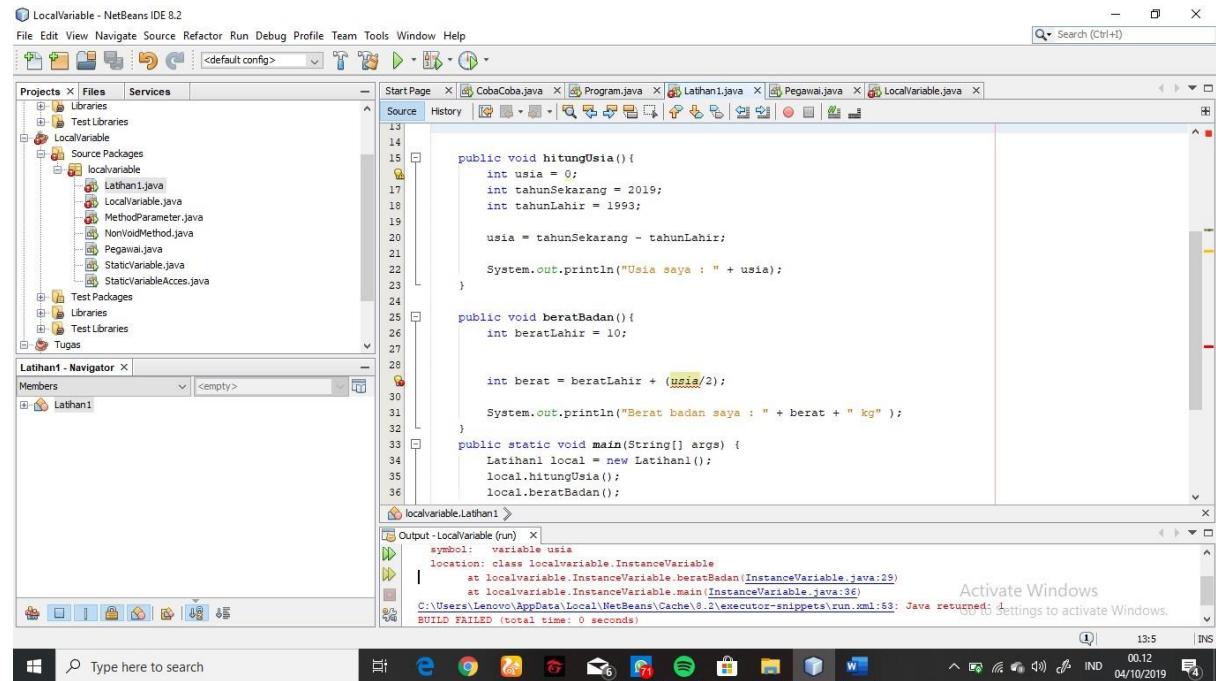
D:>javac Dosen.java
D:>javac DosenDemo.java

D:>java DosenDemo
Nama Dosen : Heru
NIK : 101
Pendidikan : S3 Oxford
Tanggal lahir : 1 Januari 1980

D:>
```

Modul 3

Latihan 1



The screenshot shows the NetBeans IDE 8.2 interface. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, and Help. The title bar says "LocalVariable - NetBeans IDE 8.2". The main window has several tabs at the top: Start Page, CobaCoba.java, Program.java, Lathan1.java, Pegawai.java, and LocalVariable.java. The Projects tab shows a "LocalVariable" project with a "Source Packages" node containing files like Lathan1.java, LocalVariable.java, MethodParameter.java, NonvoidMethod.java, Pegawai.java, StaticVariable.java, and StaticVariableAccess.java. The Files tab shows a "Test Libraries" node. The Services tab is empty. Below the tabs is a toolbar with icons for file operations. The central area is a code editor with the following Java code:

```
13
14
15     public void hitungUsia(){
16         int usia = 0;
17         int tahunSekarang = 2019;
18         int tahunLahir = 1993;
19
20         usia = tahunSekarang - tahunLahir;
21
22         System.out.println("Usia saya : " + usia);
23     }
24
25     public void beratBadan(){
26         int beratLahir = 10;
27
28         int berat = beratLahir + (usia/2);
29
30         System.out.println("Berat badan saya : " + berat + " kg");
31     }
32
33     public static void main(String[] args) {
34         Latihani local = new Latihani();
35         local.hitungUsia();
36         local.beratBadan();
37     }
38 }
```

The Output window shows the results of a run:

```
symbol: variable usia
location: class localvariable.InstanceVariable
    at localvariable.InstanceVariable.beratBadan(InstanceVariable.java:25)
    at localvariable.InstanceVariable.main(InstanceVariable.java:36)
C:\Users\Lenovo\AppData\Local\NetBeans\Cache\8.2\executor-snippets\run.xml:53: Java returned: 1
BUILD FAILED (total time: 0 seconds)
```

The taskbar at the bottom shows various application icons, and the system tray indicates the date as 04/10/2019 and the time as 00:12.

Variabel umur tidak bisa dipanggil dari method void beratBadan() karena umur merupakan local variabel

LATIHAN 2

LocalVariable - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Libraries Test Libraries LocalVariable Source Packages localvariable Lathan1 Lathan2 Lathan3 LocalVariable.java MethodParameter.java NonVoidMethod.java StaticVariable.java StaticVariableAccess.java Test Packages Libraries Test Libraries

Navigator Members Lathan1 beratBadan() hitungUsia() main(String[] args) umur : int

Source History Start Page CobaCoba.java Program.java Lathan1.java Lathan3.java LocalVariable.java Lathan2.java

```
10 * @author LABRPL-13
11 /*
12  public class Lathan1 {
13      int umur;
14
15      public void hitungUsia(){
16
17          int tahunSekarang = 2019;
18          int tahunLahir = 1993;
19
20          int usia = tahunSekarang - tahunLahir;
21          this.umur = usia;
22          System.out.println("Usia saya : " + usia);
23      }
24
25      public void beratBadan(){
26          int beratLahir = 10;
27      }
28  }
```

Output - LocalVariable (run) x

```
run:
Usia saya : 26
Berat badan saya : 23 kg
BUILD SUCCESSFUL (total time: 0 seconds)
```

Activate Windows Go to Settings to activate Windows.

21:26 04/10/2019 00:35 IND

Type here to search

LATIHAN 3

LocalVariable - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Libraries Test Libraries LocalVariable Source Packages localvariable Lathan1 Lathan2 Lathan3 LocalVariable.java MethodParameter.java NonVoidMethod.java StaticVariable.java StaticVariableAccess.java Test Packages Libraries Test Libraries

main - Navigator Members Lathan3 infoPegawai() main(String[] args) setGaji(double beriGaji) : double setNama(String beriNama) : String setNip(int beriNip) : int gaji : double nama : String nip : int

Source History Start Page CobaCoba.java Program.java Lathan1.java Lathan3.java LocalVariable.java Lathan2.java

```
13     String nama;
14     int nip;
15     double gaji;
16
17     public String setNama(String beriNama){
18         return this.nama = beriNama;
19     }
20     public int setNip(int beriNip){
21         return this.nip = beriNip;
22     }
23     public double setGaji(double beriGaji){
24         return this.gaji = beriGaji;
25     }
26     void infoPegawai(){
27         System.out.println(
28             "Nama:" + nama + "\n" +
29             "NIP:" + nip + "\n" +
30             "Gaji:" + gaji
31         );
32     }
33 }
```

Output - LocalVariable (run) x

```
run:
Nama:Abid Muhammad Taufiq
Nip:200180059
Gaji:3000000.0
=====
Nama:Descartes
Nip:200180060
Gaji:2000000.0
=====
Nama:Aristoteles
Nip:200180061
Gaji:2500000.0
```

Activate Windows Go to Settings to activate Windows.

49:29 04/10/2019 00:31 IND

Type here to search

LocalVariable - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Files Services

Start Page CobaCoba.java Program.java Lathan1.java Lathan3.java LocalVariable.java Lathan2.java

Source History

```

33 public static void main(String[] args){
34     Latihan3 pegawai = new Latihan3();
35     pegawai.setName("Abid Muhammad Taufiq");
36     pegawai.setNip(200180059);
37     pegawai.setGaji(3000000);
38     pegawai.infoPegawai();
39     System.out.println("=====");
40     Latihan3 pegawai = new Latihan3();
41     pegawai.setName("Descartes");
42     pegawai.setNip(200180060);
43     pegawai.setGaji(2000000);
44     pegawai.infoPegawai();
45     System.out.println("=====");
46     Latihan3 pegawai = new Latihan3();
47     pegawai.setName("Aristoteles");
48     pegawai.setNip(200180061);
49     pegawai.setGaji(2500000);
50     pegawai.infoPegawai();

```

Output - LocalVariable (run) X

```

Nama:Abid Muhammad Taufiq
Nip:200180059
Gaji:3000000.0
=====
Nama:Descartes
Nip:200180060
Gaji:2000000.0
=====
Nama:Aristoteles
Nip:200180061
Gaji:2500000.0
=====
```

Activate Windows
Go to Settings to activate Windows.

main - Navigator X

Members

Lathan3

- infoPegawai()
- main(String[] args)
- setGaji(double beriGaji) : double
- setName(String beriNama) : String
- setNip(int beriNip) : int
- gaji : double
- nama : String
- np : int

Type here to search

49:29 | INS

00:31 04/10/2019 4

PR

LocalVariable - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Files Services

Start Page CobaCoba.java Program.java Lathan1.java Nilai.java LocalVariable.java Lathan2.java

Source History

```

12 public class Nilai {
13     int nilaiUTS;
14     int nilaiUAS;
15     int nilaiTugas;
16
17     public int setUTS(int beriUTS) {
18         return this.nilaiUTS = beriUTS;
19     }
20
21     public int setUAS(int beriUAS) {
22         return this.nilaiUAS = beriUAS;
23     }
24
25     public int setTugas(int beriTugas) {
26         return this.nilaiTugas = beriTugas;
27     }
28
29     void infoNilai() {
30         System.out.println(
31             "Nilai UTS:" + nilaiUTS + "\n" +
32             "Nilai UAS:" + nilaiUAS + "\n" +
33             "Nilai Tugas:" + nilaiTugas
34         );
35     }
36
37     public static void main(String[] args) {
38         Nilai nilai = new Nilai();
39         nilai.setUTS(80);
40         nilai.setUAS(90);
41         nilai.setTugas(90);
42         nilai.infoNilai();
43     }

```

Output - LocalVariable (run) X

```

run:
Nilai UTS:80
Nilai UAS:90
Nilai Tugas:90
=====
BUILD SUCCESSFUL (total time: 1 second)
```

Activate Windows
Go to Settings to activate Windows.

setUTS - Navigator X

Members

Nilai

- infoNilai()
- main(String[] args)
- setTugas(int beriTugas) : int
- setUTS(int beriUTS) : int
- setUAS(int beriUAS) : int
- nilaiTugas : int
- nilaiUAS : int
- nilaiUTS : int

Type here to search

19:56 | INS

00:48 04/10/2019 4

The screenshot shows the NetBeans IDE interface with the following details:

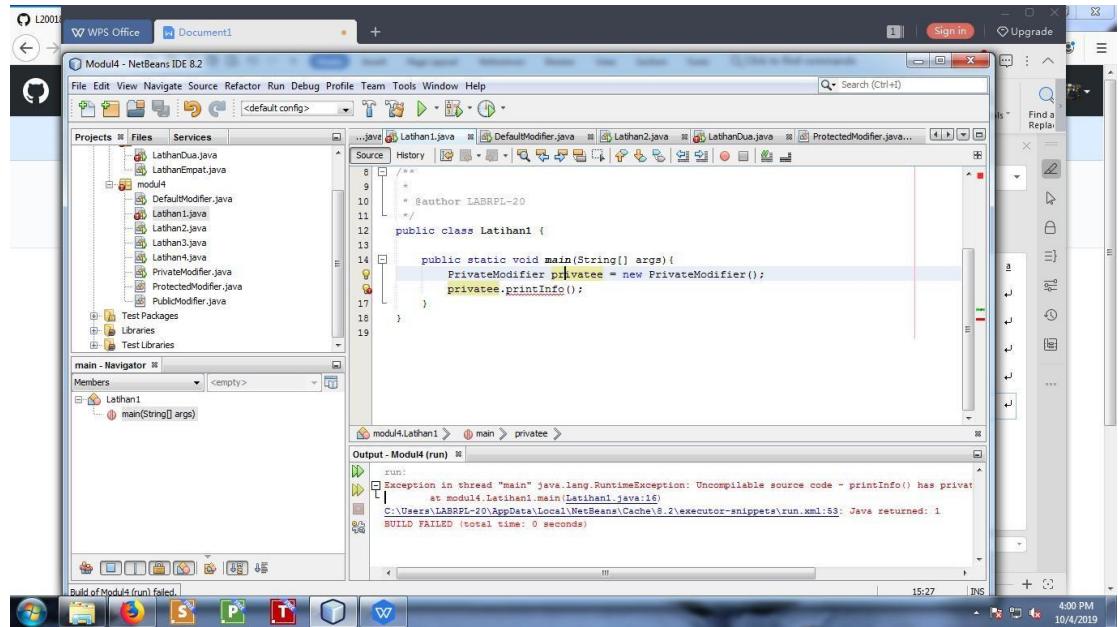
- Title Bar:** LocalVariable - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Includes icons for file operations like New, Open, Save, and Build.
- Project Explorer:** Shows the project structure under "Projects".
 - Libraries
 - Test Libraries
 - LocalVariable
 - Source Packages
 - localvariable
 - Lathan1.java
 - Lathan2.java
 - LocalVariable.java
 - MethodParameter.java
 - Nilai.java
 - NonVoidMethod.java
 - StaticVariable.java
 - StaticVariableAcces.java
 - Test Packages
 - Libraries
 - Test Libraries
- Code Editor:** Displays the content of `Nilai.java`. The code defines a class `Nilai` with methods to set UTS, UAS, and Tugas marks, and calculate the total mark. It also includes an info method and a constructor.

```
12 public class Nilai {  
13     double nilaiUTS;  
14     double nilaiUAS;  
15     double nilaiTugas;  
16     double nilaiTotal;  
17     public double setUTS(double beriUTS){  
18         return this.nilaiUTS = beriUTS;  
19     }  
20     public double setUAS(double beriUAS){  
21         return this.nilaiUAS = beriUAS;  
22     }  
23     public double setTugas(double beriTugas){  
24         return this.nilaiTugas = beriTugas;  
25     }  
26     public void Total(){  
27         double nilaiTotal = (nilaiUTS + nilaiUAS + nilaiTugas)/3;  
28         System.out.println("Nilai Total:" + nilaiTotal);  
29     }  
30     void infoNilai(){  
31         System.out.println(  
32             "Nilai UTS:" + this.setUTS(90) + "\n" +  
33             "Nilai UAS:" + this.setUAS(90) + "\n" +  
34             "Nilai Tugas:" + this.setTugas(80) + "\n"  
35         );  
36 }
```
- Output Window:** Shows the terminal output of the run command, displaying the calculated total mark.

```
Nilai Total:86.66666666666667
```
- System Tray:** Shows the Windows activation message: "Activate Windows Go to Settings to activate Windows."
- Taskbar:** Shows the Start button, a search bar, and icons for various applications including File Explorer, Edge, and Spotify.

Modul 4

LATIHAN 1



The screenshot shows the NetBeans IDE 8.2 interface. The Projects panel on the left lists several Java files: LathanOut.java, LathanEmpty.java, modul4 (which contains DefaultModifier.java, Lathan1.java, Lathan2.java, Lathan3.java, Lathan4.java, PrivateModifier.java, ProtectedModifier.java, and PublicModifier.java), Test Packages, Libraries, and Test Libraries. The Files tab is selected. In the center, the code editor shows the content of Lathan1.java:

```
/*
 * Sauthor LABRPL-20
 */
public class Lathan1 {

    public static void main(String[] args) {
        PrivateModifier privatee = new PrivateModifier();
        privatee.printInfo();
    }
}
```

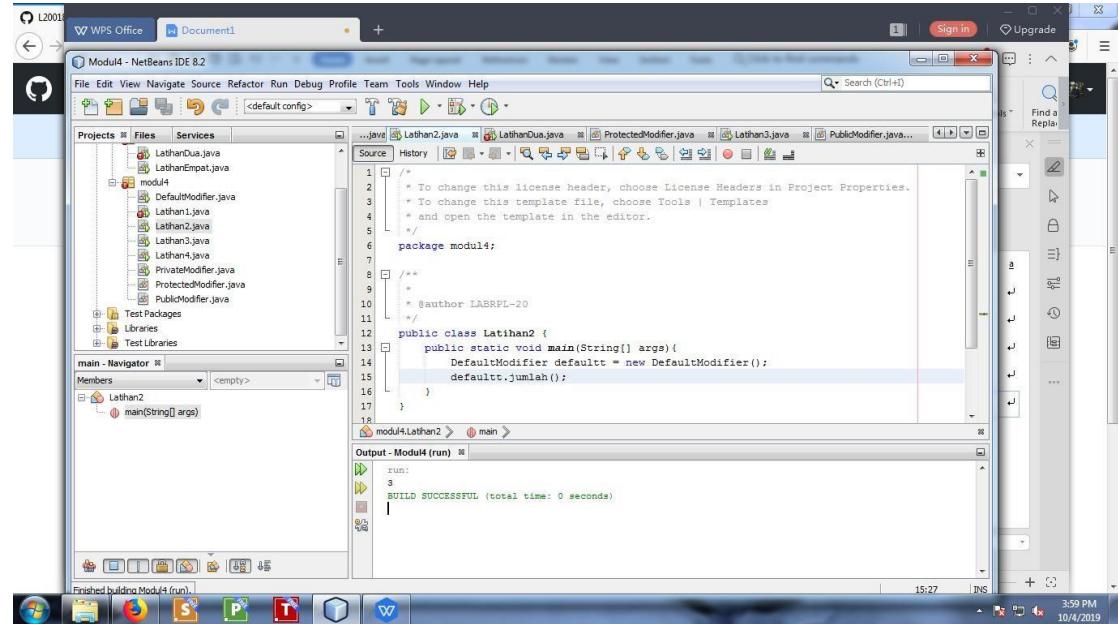
The code editor highlights the word "private" in red, indicating a syntax error. The Output panel at the bottom shows the following error message:

```
run:
Exception in thread "main" java.lang.RuntimeException: Uncompilable source code - printInfo() has private
|   at modul4.Lathan1.main(Lathan1.java:16)
C:\Users\LABRPL-20\AppData\Local\NetBeans\Cache\8.2\executor-snippets\run.xml:53: Java returned: 1
BUILD FAILED (total time: 0 seconds)
```

The status bar at the bottom right indicates the build failed at 4:00 PM on 10/4/2019.

Class tidak bisa diakses di class lain karena *private*

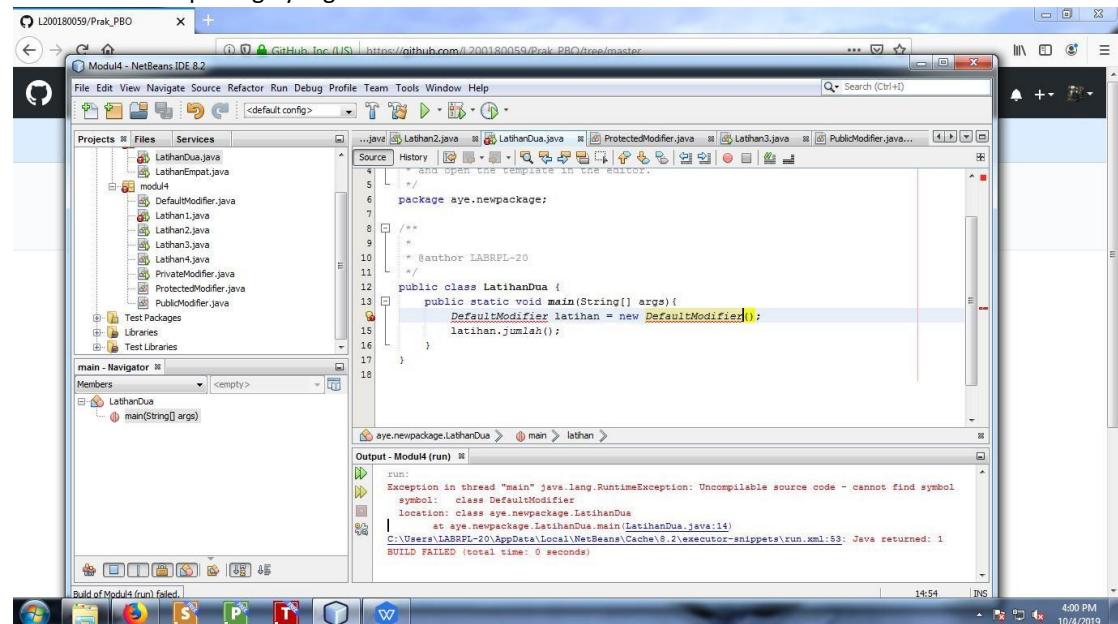
Class lain dalam package yang sama:



The screenshot shows the NetBeans IDE interface with the title bar "Modul4 - NetBeans IDE 8.2". The Projects tab lists several Java files: Lathan1.java, Lathan2.java, Lathan3.java, Lathan4.java, DefaultModifier.java, ProtectedModifier.java, PrivateModifier.java, and PublicModifier.java. The Source editor displays the code for Lathan2.java, which contains a main method that creates an instance of DefaultModifier and calls its jumlah() method. The Output window shows a successful build with the message "BUILD SUCCESSFUL (total time: 0 seconds)".

```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package modul4;
7
8  /**
9  *
10 * @author LABRPL-20
11 */
12 public class Latihan2 {
13     public static void main(String[] args) {
14         DefaultModifier defaultt = new DefaultModifier();
15         defaultt.jumlah();
16     }
17 }
18
```

Class lain dalam package yang berbeda:



The screenshot shows the NetBeans IDE interface with the title bar "L200180059/Prak_PBO - NetBeans IDE 8.2". The Projects tab lists Java files: Lathan1.java, Lathan2.java, Lathan3.java, Lathan4.java, DefaultModifier.java, ProtectedModifier.java, PrivateModifier.java, and PublicModifier.java. The Source editor displays the code for LathanDua.java, which contains a main method that creates an instance of DefaultModifier and calls its jumlah() method. The Output window shows a failed build with the error message "Exception in thread <main> java.lang.RuntimeException: Uncompilable source code - cannot find symbol".

```
4  /*
5  * To change this license header, choose License Headers in Project Properties.
6  * To change this template file, choose Tools | Templates
7  * and open the template in the editor.
8  */
9  package aye.newpackage;
10
11 /**
12  *
13  * @author LABRPL-20
14  */
15 public class LatihanDua {
16     public static void main(String[] args) {
17         DefaultModifier latihan = new DefaultModifier();
18         latihan.jumlah();
19     }
20 }
```

Class bisa diakses dari class lain selagi dalam satu package

The screenshot shows the NetBeans IDE 8.2 interface. The main window displays a Java file named `Latihan3.java` within a project named `Modul4`. The code in the editor is:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package modul4;

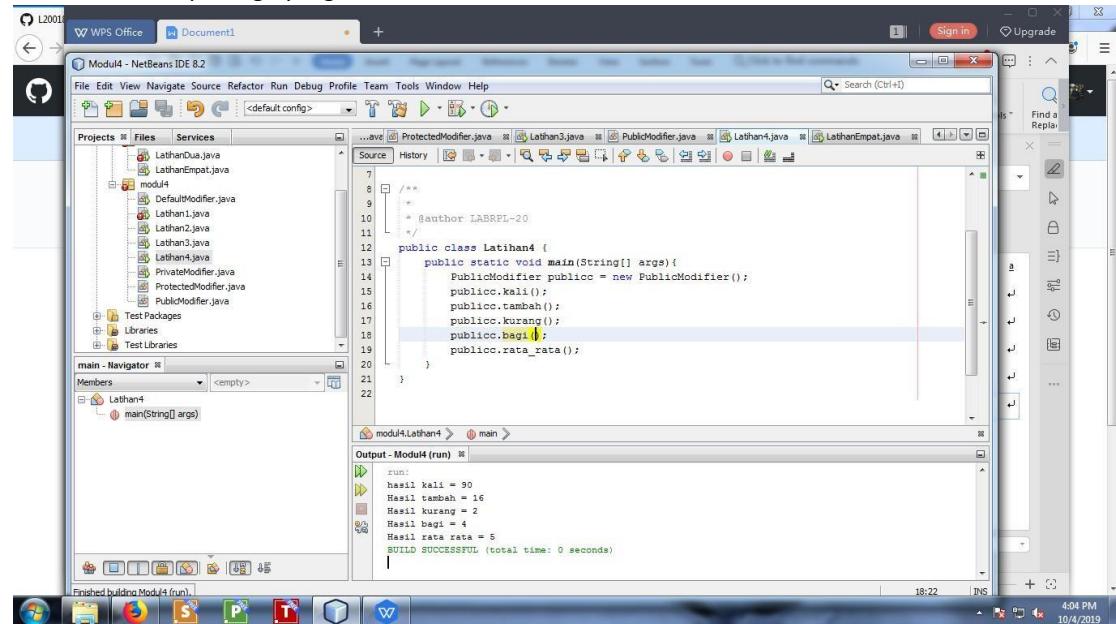
/**
 *
 * @author LABRPL-20
 */
public class Latihan3 {
    public static void main(String[] args) {
        ProtectedModifier protect = new ProtectedModifier();
        protect.printInfo();
        protect.sendMessage();
    }
}
```

The `Output` panel at the bottom shows the results of a run:

```
run:
Protected Modifier
this is a message
BUILD SUCCESSFUL (total time: 0 seconds)
```

Class dapat diakses hanya oleh class lain do dalam suatu package yang sama serta seluruh sub-class nya

Class lain dalam package yang sama:



The screenshot shows the NetBeans IDE interface with the title bar "Modul4 - NetBeans IDE 8.2". The Projects tab lists several Java files: LathanOut.java, LathanEmpat.java, modul4 (containing DefaultModifier.java, Lathan1.java, Lathan2.java, Lathan3.java, Lathan4.java, PrivateModifier.java, ProtectedModifier.java, PublicModifier.java), Test Packages, Libraries, and Test Libraries. The Source tab displays the code for Lathan4.java:

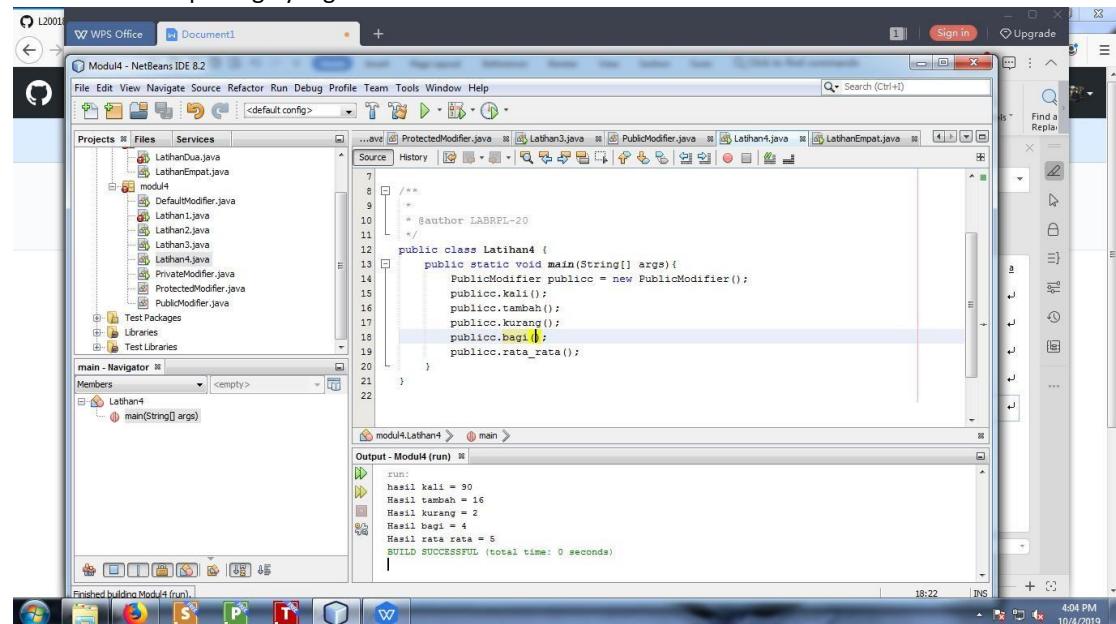
```
7  /*
8  * @author LABRPL-20
9  */
10 public class Lathan4 {
11     public static void main(String[] args) {
12         PublicModifier publicc = new PublicModifier();
13         publicc.kali();
14         publicc.tambah();
15         publicc.kurang();
16         publicc.bagi();
17         publicc.rata_rata();
18     }
19 }
20
21 }
```

The Output window shows the results of the run:

```
run:
hasil kali = 90
Hasil tambah = 16
Hasil kurang = 2
Hasil bagi = 4
Hasil rata rata = 5
BUILD SUCCESSFUL (total time: 0 seconds)
```

The status bar at the bottom right indicates "4:04 PM 10/4/2019".

Class lain dalam package yang berbeda:



The screenshot shows the NetBeans IDE interface with the title bar "Modul4 - NetBeans IDE 8.2". The Projects tab lists the same files as the previous screenshot. The Source tab displays the code for Lathan4.java:

```
7  /*
8  * @author LABRPL-20
9  */
10 public class Lathan4 {
11     public static void main(String[] args) {
12         PublicModifier publicc = new PublicModifier();
13         publicc.kali();
14         publicc.tambah();
15         publicc.kurang();
16         publicc.bagi();
17         publicc.rata_rata();
18     }
19 }
20
21 }
```

The Output window shows the results of the run:

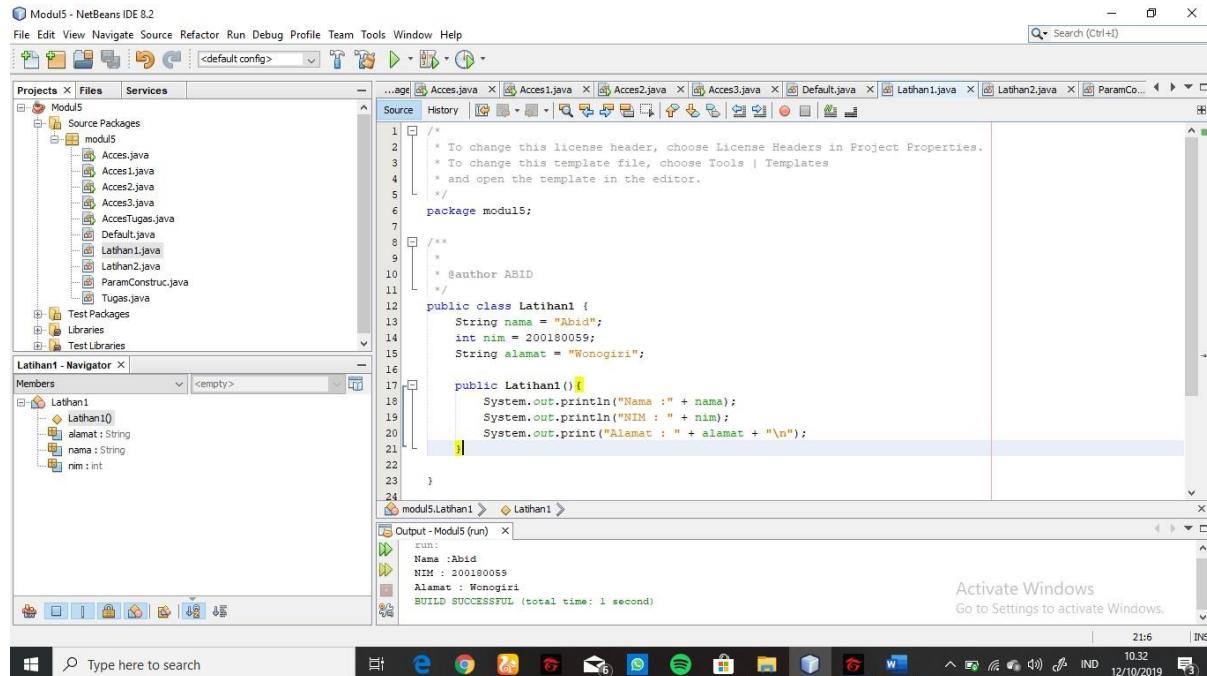
```
run:
hasil kali = 90
Hasil tambah = 16
Hasil kurang = 2
Hasil bagi = 4
Hasil rata rata = 5
BUILD SUCCESSFUL (total time: 0 seconds)
```

The status bar at the bottom right indicates "4:04 PM 10/4/2019".

Bisa diakses dari class lain baik itu dalam satu package yang sama atau berbeda

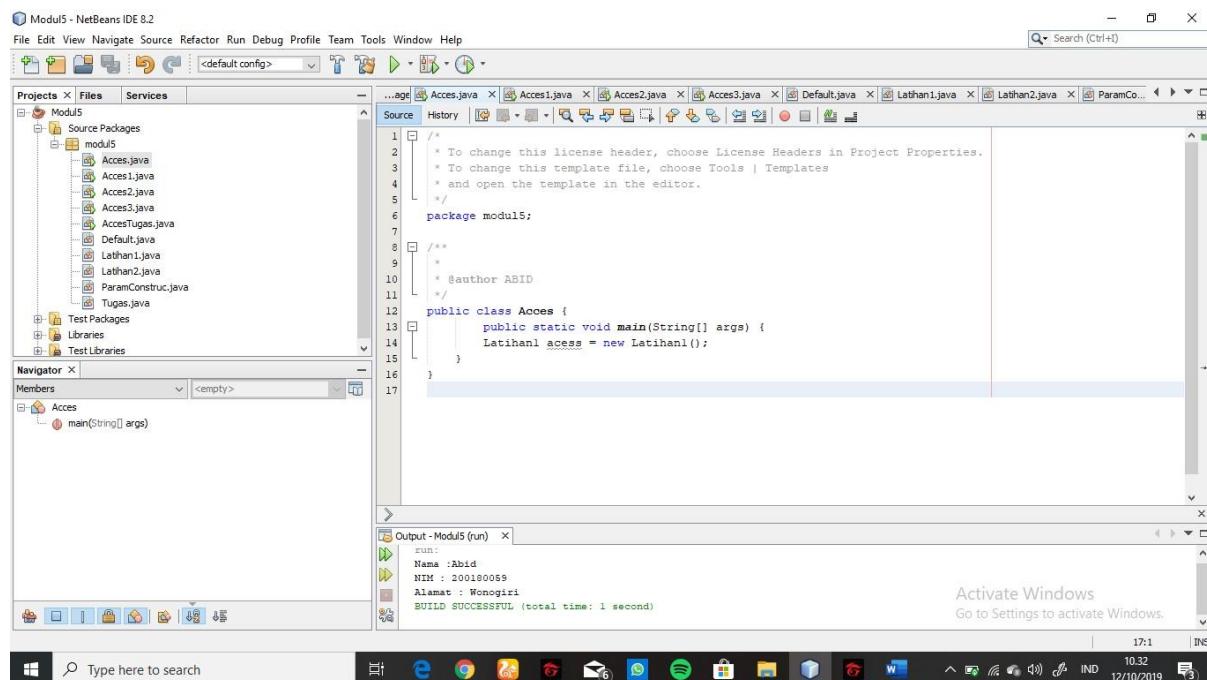
MODUL – 5

1. Latihan 1



The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul5 - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Projects Tab:** Shows the project "Modul5" with its source packages and files.
- Source Editor:** Displays the code for `Latihan1.java`. The code prints the name, NIM, and address of an object of type `Latihan1`.
- Output Window:** Shows the results of running the application, displaying the output: Name :Abid, NIM : 200180059, Alamat : Wonogiri, and BUILD SUCCESSFUL (total time: 1 second).
- System Tray:** Shows the Windows taskbar with various pinned icons and system status.



The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul5 - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Projects Tab:** Shows the project "Modul5" with its source packages and files.
- Source Editor:** Displays the code for `Acces.java`, which contains a main method that creates and runs an instance of `Latihan1`.
- Output Window:** Shows the results of running the application, displaying the output: Name :Abid, NIM : 200180059, Alamat : Wonogiri, and BUILD SUCCESSFUL (total time: 1 second).
- System Tray:** Shows the Windows taskbar with various pinned icons and system status.

2. Latihan 2

The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul5 - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Includes icons for file operations like New, Open, Save, and Build.
- Project Explorer:** Shows the project structure under "Modul5".
 - Source Packages: modul5 (containing Acces.java, Acces1.java, Acces2.java, Acces3.java, AccesTugas.java, Default.java, Latihan1.java, Latihan2.java, ParamStruk.java, Tugas.java).
 - Test Packages: (empty)
 - Libraries: (empty)
 - Test Libraries: (empty)
- Code Editor:** Displays the Java code for the `Latihan2` class.

```
10  * @author ABID
11  */
12  public class Latihan2 {
13      String namaPengarang, judulBuku;
14      int tahunTerbit, cetakanKe;
15      double hargaJual;
16
17      public Latihan2(String namaPengarang, String judulBuku){
18          this.namaPengarang = namaPengarang;
19          this.judulBuku = judulBuku;
20      }
21      public Latihan2(int tahunTerbit, int cetakanKe){
22          this.tahunTerbit = tahunTerbit;
23          this.cetakanKe = cetakanKe;
24      }
25      public Latihan2(double hargaJual){
26          this.hargaJual = hargaJual;
27      }
28
29      public void infoBuku(){
30          System.out.println("Nama pengarang : "+namaPengarang+"\njudul Buku : "+judulBuku+"\ntahun terbit : "
31      }
32  }
```
- Output Window:** Shows the run output for the `Latihan2` class.

```
Nama Pengarang : null
judul Buku : null
Tahun terbit : 0
Cetakan ke : 0
Harga : 80000.0
```
- Bottom Bar:** Windows taskbar with various pinned icons (File Explorer, Edge, Google Chrome, FileZilla, Mail, Spotify, Microsoft Store, File Manager, etc.).
- System Tray:** Shows battery level, signal strength, and other system status indicators.

The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul5 - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Includes icons for file operations like Open, Save, Find, and Build.
- Project Explorer (Projects Tab):** Shows the project structure under modul5, including Source Packages (Acces.java, Acces1.java, Acces2.java, Acces3.java, Default.java, Latihan1.java, Latihan2.java, ParamConstruc.java, Tugas.java), Test Packages, Libraries, and Test Libraries.
- Code Editor:** Displays the Java code for Acces3.java. The code includes a main method that creates instances of Latihan1 and Latihan2 classes and calls their infoBuku methods.

```
1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6 package modul5;
7
8 /**
9 *
10 * @author ABID
11 */
12 public class Acces3 {
13     public static void main(String[] args){
14         Latihan1 main = new Latihan1("Jostein Gardeer","Dunia Shopie");
15         Latihan2 main1 = new Latihan2(2000, 8);
16         Latihan2 main2 = new Latihan2(80000);
17         main.infoBuku();
18         main1.infoBuku();
19         main2.infoBuku();
20     }
21 }
22
```

- Output Window:** Shows the run output for Acces3.java, displaying the results of the infoBuku method calls.

```
Nama pengarang : null
judul Buku : null
Tahun terbit : 0
Cetakan ke : 0
Harga : 80000.0
```

- Status Bar:** Activate Windows Go to Settings to activate Windows.
- System Tray:** Shows icons for battery, signal strength, and system status.

3. Tugas

The screenshot shows the NetBeans IDE interface with the following details:

- Project Explorer:** Shows the project structure under "Modul5".
 - Source Packages:** Contains "modul5" which includes files: Acces.java, Acces1.java, Acces2.java, Acces3.java, AccesTugas.java, Default.java, Lathan1.java, Lathan2.java, ParamConstruc.java, Tugas.java, and AccesTugas.java.
 - Test Packages:**
 - Libraries:**
 - Test Libraries:**
- Code Editor:** Displays the content of `Tugas.java`. The code defines a class `Tugas` with attributes `nama`, `hobi`, `umur`, and `pacar`. It includes a constructor that initializes `nama` to "Abid" and `hobi` to "Baca". The `info()` method prints the object's state to the console.

```
8  */
9 *
10 * @author ABID
11 */
12 public class Tugas {
13     String nama, hobi;
14     int umur, pacar;
15
16     public Tugas() {
17         this.nama = "Abid";
18         this.hobi = "Baca";
19     }
20
21     public Tugas(int umur, int pacar) {
22         this.umur = umur;
23         this.pacar = pacar;
24     }
25
26     public void info() {
27         System.out.println("Nama: "+nama+"\nHobi: "+hobi+"\nUmur: "+umur+"\npacar: "+pacar);
28     }
29 }
30
```
- Output Window:** Shows the execution results of the `info()` method:

```
Nama: null
Hobi: null
Umur: 20
pacar: 1
BUILD SUCCESSFUL (total time: 0 seconds)
```
- System Tray:** Shows icons for battery, signal strength, and other system status.
- Bottom Bar:** Includes the Windows Start button, a search bar, and pinned application icons for File Explorer, Edge, Google Chrome, FileZilla, Spotify, OneDrive, Mail, and Microsoft Word.

The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Modul5 - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Includes icons for file operations like Open, Save, Find, and Build.
- Project Explorer:** Shows the project structure under "Modul5".
 - Source Packages: modul5 (containing Acces.java, Acces1.java, Acces2.java, Acces3.java, AccesTugas.java, Default.java, Lathan1.java, Lathan2.java, ParamConstruc.java, Tugas.java).
 - Test Packages: (empty)
 - Libraries: (empty)
 - Test Libraries: (empty)
- Info - Navigator:** Shows the members of the Tugas class:
 - Tugas()
 - Tugas(int umur, int pacar)
 - info()
 - hobi : String
 - nama : String
 - pacar : int
 - umur : int
- Code Editor:** Displays the Java code for the Tugas class.

```
8  /**
9  *
10 * @author ABID
11 */
12 public class Tugas {
13     String nama, hobi;
14     int umur, pacar;
15
16     public Tugas() {
17         this.nama = "Abid";
18         this.hobi = "Baca";
19     }
20
21     public Tugas(int umur, int pacar) {
22         this.umur = umur;
23         this.pacar = pacar;
24     }
25
26     public void info() {
27         System.out.println("Nama: "+nama+"\nHobi: "+hobi+"\nUmur: "+umur+"\npacar: "+pacar);
28     }
29 }
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Modul5 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Files Services <default config>

Source History

...ave Acces3.java Default.java Lathan1.java Lathan2.java ParamConstruc.java Tugas.java AccesTugas.java

Modul5

Source Packages

modul5

Acces.java Acces1.java Acces2.java Acces3.java AccesTugas.java Default.java Lathan1.java Lathan2.java ParamConstruc.java Tugas.java

Test Packages

Libraries

Test Libraries

info - Navigator

Members

Tugas

Tugas()

Tugas(int umur, int pacar)

info()

hobi : String

nama : String

pacar : int

umur : int

Source

```
8  */
9  * @author ABID
10 */
11
12 public class Tugas {
13     String nama, hobi;
14     int umur, pacar;
15
16     public Tugas() {
17         this.nama = "Abid";
18         this.hobi = "Baca";
19     }
20
21     public Tugas(int umur, int pacar) {
22         this.umur = umur;
23         this.pacar = pacar;
24     }
25
26     public void info() {
27         System.out.println("Nama: "+nama+"\nHobi: "+hobi+"\nUmur: "+umur+"\npacar: "+pacar);
28     }
29
30 }
```

modul5.Tugas > info >

Output - Modul5 (run)

Nama: null
Hobi: null
Umur: 20
pacar: 1

BUILD SUCCESSFUL (total time: 0 seconds)

Activate Windows
Go to Settings to activate Windows.

27:45 | INS

Type here to search

Windows Start button

Taskbar icons: File Explorer, Edge, Google Chrome, Spotify, Mail, File Manager, Task View, Taskbar settings, Network, Battery, Volume, System tray (Windows Update, Task View, Power, Date/Time)

Modul 6

Modul6 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

BangunDatar.java - Properties

```
1 //  
2 /* To change this license header, choose License Headers in Project Properties  
3 * To change this template file, choose Tools | Templates  
4 * and open the template in the editor.  
5 */  
6 package modul6;  
7  
8 /*  
9 *  
10 * @author Lenovo  
11 */  
12 public class BangunDatar {  
13     /** Luas;  
14     * Keliling;  
15     */  
16     void hitungLuas() {}  
17     void hitungKeliling() {}  
18     public static void main(String[] args) {}  
19     // TODO code application logic here  
20 }
```

BangunDatar - Navigator

Members

- BangunDatar
 - hitungKelling(); double
 - hitungLuas(); double
 - main(String[] args); Luas : double

Output - Modul6 (run)

```
run:  
Segitiga SamaKaki  
Luas : 16.0  
Keliling : 13.0  
BUILD SUCCESSFUL (total time: 0 seconds)
```

BangunDatar.java

Activate Windows Go to Settings to activate Windows.

11:4 14.26 11/01/2020

Windows Type here to search E W 14.26 11/01/2020

Modul6 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

Persegi.java - Properties

```
1 //  
2 /* To change this license header, choose License Headers in Project Properties  
3 * To change this template file, choose Tools | Templates  
4 * and open the template in the editor.  
5 */  
6 package modul6;  
7  
8 /*  
9 *  
10 * @author Lenovo  
11 */  
12 public class Persegi extends BangunDatar {  
13     public static void main(String[] args) {  
14         double sisi = 4;  
15         BangunDatar bd = new BangunDatar();  
16         bd.luas = sisi * sisi;  
17         bd.keliling = sisi * 4;  
18         System.out.println("Persegi");  
19         System.out.print("Luas : " + bd.luas);  
20         System.out.print("Keliling : " + bd.keliling);  
21     }  
22 }
```

main - Navigator

Members

- Persegi :: BangunDatar
 - main(String[] args)

Output - Modul6 (run)

```
run:  
Persegi  
Luas : 16.0  
Keliling : 16.0  
BUILD SUCCESSFUL (total time: 2 seconds)
```

Persegi.java

Activate Windows Go to Settings to activate Windows.

18:9/1:30 14.26 11/01/2020

Windows Type here to search E W 14.26 11/01/2020

Modul6 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History Search (Ctrl+F)

```

1  /*
2   * To change this license header, choose License Headers in Project Properties
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6
7 package modul6;
8
9 /**
10  * @author Lenovo
11 */
12
13 public class PersegiPanjang extends BangunDatar {
14     public static void main(String[] args) {
15         int panjang = 5;
16         double lebar = 4;
17         BangunDatar bd = new BangunDatar();
18         bd.luas = panjang * lebar;
19         bd.keliling = (2 * panjang) + (2 * lebar);
20         System.out.println("Persegi Panjang");
21         System.out.println("Luas : " + bd.luas);
22         System.out.println("Keliling : " + bd.keliling);
23     }
24 }
```

Output - Modul6 (run) :

```

run:
Persegi Panjang
Luas : 20.0
Keliling : 18.0
BUILD SUCCESSFUL (total time: 0 seconds)
```

Properties for PersegiPanjang.java

- Name: PersegiPanjang
- Extension: java
- File Size: 643
- Modification Time: Jan 11, 2020 1:47:4...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath
- Boot Classpath

Activate Windows Go to Settings to activate Windows.

Modul6 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History Search (Ctrl+F)

```

4 /**
5  * and open the template in the editor.
6 */
7 package modul6;
8
9 /**
10  * @author Lenovo
11 */
12
13 public class Segitiga extends BangunDatar {
14     public static void main(String[] args) {
15         double alas = 4;
16         int tinggi = 4;
17         BangunDatar bd = new BangunDatar();
18         bd.luas = 0.5 * alas * tinggi;
19         bd.keliling = alas + sisiMiring + sisiMiring;
20         System.out.println("Segitiga");
21         System.out.println("Luas : " + bd.luas);
22         System.out.println("Keliling : " + bd.keliling);
23     }
24 }
```

Output - Modul6 (run) :

```

run:
Segitiga
Luas : 8.0
Keliling : 14.0
BUILD SUCCESSFUL (total time: 0 seconds)
```

Properties for Segitiga.java

- Name: Segitiga
- Extension: java
- File Size: 695
- Modification Time: Jan 11, 2020 1:59:0...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath
- Boot Classpath

Activate Windows Go to Settings to activate Windows.

Modul6 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History Search (Ctrl+I)

```

5 package module6;
6
7 /**
8  * @author Lenovo
9  */
10 public class SegiTigaSamaKaki extends SegiTiga {
11     public static void main(String[] args) {
12         double sisiMiring = 4;
13         int tinggi = 6;
14         int alas = 5;
15         SegiTiga s = new SegiTiga();
16         s.luas = 0.5 * alas * tinggi;
17         s.keliling = alas + sisiMiring + sisiMiring;
18         System.out.println("Segitiga SamaKaki");
19         System.out.println("Luas : " + s.luas);
20         System.out.println("Keliling : " + s.keliling);
21     }
22 }

```

modul6.SegiTigaSamaKaki > main >

Output - Modul6 (run) :

```

run:
Segitiga SamaKaki
Luas : 15.0
Keliling : 13.0
BUILD SUCCESSFUL (total time: 0 seconds)

```

Activate Windows
Go to Settings to activate Windows.

22:54:3:140 INS

Modul6 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History Search (Ctrl+I)

```

1 /**
2  * To change this license header, choose License Headers in Project Properties
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5 */
6 package module6;
7
8 /**
9  * @author Lenovo
10 */
11 public class SegiTigaSamaSisi extends SegiTiga {
12     public static void main(String[] args) {
13         double sisi = 4;
14         SegiTiga s = new SegiTiga();
15         s.luas = ((sisi * sisi) / 4) * 1.73;
16         s.keliling = sisi * sisi * 2;
17         System.out.println("Segitiga SamaSisi");
18         System.out.println("Luas : " + s.luas);
19         System.out.println("Keliling : " + s.keliling);
20     }
21 }

```

modul6.SegiTigaSamaSisi > main >

Output - Modul6 (run) :

```

run:
Segitiga SamaSisi
Luas : 6.92
Keliling : 64.0
BUILD SUCCESSFUL (total time: 0 seconds)

```

Activate Windows
Go to Settings to activate Windows.

18:46 INS

Modul 7

Modul7 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services Source History <default config> T E D M A S Task Manager ManagerDemo.java

Modul5 Modul7

Source Packages modul7 Karyawan.java KaryawanDemo.java Main.java Manager.java ManagerDemo.java Test Packages Libraries Test Libraries

Manager - Navigator Members <empty>

```
12 public class Manager extends Karyawan {  
13     ... private String namaM; ...  
14     ... private float gajiM; ...  
15     ... private int usiaM; ...  
16     ... private String alamatM; ...  
17     ... private String fakultasM; ...  
18     ... private float jamKerja = 7.5f; ...  
19     ...  
20     public String getNameM() {  
21         ... return namaM; ...  
22     }  
23     public void setNameM(String namaM) {  
24         ... this.namaM = namaM; ...  
25     }  
26     public float getGajiM() {  
27         ... return gajiM; ...  
28     }  
29     public void setGajiM(float gajiM) {  
30         ... this.gajiM = gajiM; ...  
31     }  
32     public int getUsiaM() {  
33         ... return usiaM; ...  
34     }  
35     public void setUsiaM(int usiaM) {  
36         ... this.usiaM = usiaM; ...  
37     }  
38     public String getAlamatM() {  
39         ... return alamatM; ...  
40     }  
41     public void setAlamatM(String alamatM) {  
42         ... this.alamatM = alamatM; ...  
43     }  
44     public String getFakultasM() {  
45         ... return fakultasM; ...  
46     }  
47     public void setFakultasM(String fakultasM) {  
48         ... this.fakultasM = fakultasM; ...  
49     }  
50     public int jamKerja() {  
51         ... return (int) jamKerja; ...  
52     }  
53 }  
54  
55
```

Output - Modul7 (run) >> 100000.0

Activate Windows Go to Settings to activate Windows. bangrosad15 sedang online.

Windows Type here to search 12:47 22/11/2019

Modul7 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services Source History <default config> T E D M A S Task Manager ManagerDemo.java

Modul5 Modul7

Source Packages modul7 Karyawan.java KaryawanDemo.java Main.java Manager.java ManagerDemo.java Test Packages Libraries Test Libraries

Manager - Navigator Members <empty>

```
37     ...  
38     public String getAlamatM() {  
39         ... return alamatM; ...  
40     }  
41     public void setAlamatM(String alamatM) {  
42         ... this.alamatM = alamatM; ...  
43     }  
44     public String getFakultasM() {  
45         ... return fakultasM; ...  
46     }  
47     public void setFakultasM(String fakultasM) {  
48         ... this.fakultasM = fakultasM; ...  
49     }  
50     public int jamKerja() {  
51         ... return (int) jamKerja; ...  
52     }  
53 }  
54  
55
```

Output - Modul7 (run) >> 100000.0

Activate Windows Go to Settings to activate Windows.

Windows Type here to search 10:16 12:47 22/11/2019

Modul7 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History <default config> T T G M

Modul5 Modul7

Source Packages modul7

Karyawan.java KaryawanDemo.java Main.java Manager.java ManagerDemo.java

Test Packages Libraries Test Libraries

ManagerDemo - Navigator

Members ManagerDemo main(String[] args)

```
10  * @author Abiq
11  */
12  public class ManagerDemo {
13  ...public static void main (String[] args) {
14  ..... Manager m1 = new Manager ();
15  ..... Manager m2 = new Manager ();
16  ..... Manager m3 = new Manager ();
17  ..... Manager m4 = new Manager ();
18  ..... Manager m5 = new Manager ();
19  .....
20  ..... m1.setNamaM("anto");
21  ..... m1.setGajih(100000);
22  ..... m1.setUsiaM(30);
23  ..... m1.setAlamatM("solo");
24  ..... m1.setFakultash("FKI");
25  .....
26  ..... m2.setNamaM("ari");
27  ..... m2.setGajih(100000);
28  ..... m2.setUsiaM(31);
29  ..... m2.setAlamatM("sragen");
30  ..... m2.setFakultash("FRKG");
31  .....
32  ..... m3.setNamaM("anang");
33  ..... m3.setGajih(100000);
34  ..... m3.setUsiaM(29);
35  ..... m3.setAlamatM("purwodadi");
36  ..... m3.setFakultash("FKU");
37  .....
```

Output - Modul7 (run) Activate Windows Go to Settings to activate Windows. 10:16 22/11/2019

Type here to search

Modul7 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History <default config> T T G M

Modul5 Modul7

Source Packages modul7

Karyawan.java KaryawanDemo.java Main.java Manager.java ManagerDemo.java

Test Packages Libraries Test Libraries

ManagerDemo - Navigator

Members ManagerDemo main(String[] args)

```
38  ..... m4.setNamaM("diah");
39  ..... m4.setGajih(100000);
40  ..... m4.setUsiaM(35);
41  ..... m4.setAlamatM("boyolali");
42  ..... m4.setFakultash("FEB");
43  .....
44  ..... m5.setNamaM("ririn");
45  ..... m5.setGajih(100000);
46  ..... m5.setUsiaM(27);
47  ..... m5.setAlamatM("sragen");
48  ..... m5.setFakultash("FKIP");
49  .....
50  ..... System.out.println(m1.getNamaM());
51  ..... System.out.println(m1.getGajih());
52  ..... System.out.println(m1.getUsiaM());
53  ..... System.out.println(m1.getAlamatM());
54  ..... System.out.println(m1.getFakultash());
55  ..... System.out.println("*****");
56  .....
57  ..... System.out.println(m2.getNamaM());
58  ..... System.out.println(m2.getGajih());
59  ..... System.out.println(m2.getUsiaM());
60  ..... System.out.println(m2.getAlamatM());
61  ..... System.out.println(m2.getFakultash());
62  ..... System.out.println("*****");
63  .....
64  ..... System.out.println(m3.getNamaM());
65  ..... System.out.println(m3.getGajih());
```

Output - Modul7 (run) Activate Windows Go to Settings to activate Windows. 10:16 22/11/2019

Type here to search

Modul7 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services ...ave ehe.java EditBody.java EditHir.java Mammal.java Demo.java Task.java Manager.java ManagerDemo.java <default config>

Source History

Modul5 Modul7

Source Packages modul7

Karyawan.java KaryawanDemo.java Main.java Manager.java ManagerDemo.java

Test Packages Libraries Test Libraries

ManagerDemo - Navigator

Members ManagerDemo main(String[] args)

Output - Modul7 (run) 100000.0

```
63 .....System.out.println(m3.getNamaM());%
64 .....System.out.println(m3.getGajiM());%
65 .....System.out.println(m3.getUsiaM());%
66 .....System.out.println(m3.getAlamatM());%
67 .....System.out.println(m3.getFakultasM());%
68 .....System.out.println("=====");%
69 .....System.out.println(m4.getNamaM());%
70 .....System.out.println(m4.getGajiM());%
71 .....System.out.println(m4.getUsiaM());%
72 .....System.out.println(m4.getAlamatM());%
73 .....System.out.println(m4.getFakultasM());%
74 .....System.out.println("=====");%
75 .....System.out.println(m5.getNamaM());%
76 .....System.out.println(m5.getGajiM());%
77 .....System.out.println(m5.getUsiaM());%
78 .....System.out.println(m5.getAlamatM());%
79 .....System.out.println(m5.getFakultasM());%
80 .....System.out.println("=====");%
81 .....System.out.println(m6.getNamaM());%
82 .....System.out.println(m6.getGajiM());%
83 .....System.out.println(m6.getUsiaM());%
84 .....System.out.println(m6.getAlamatM());%
85 .....System.out.println("=====");%
86 }%
87 %
```

Activate Windows Go to Settings to activate Windows.

10:16 12:48 IND 22/11/2019

Modul7 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services ...ave ehe.java EditBody.java EditHir.java Mammal.java Demo.java Task.java Manager.java ManagerDemo.java <default config>

Source History

Modul5 Modul7

Source Packages modul7

Karyawan.java KaryawanDemo.java Main.java Manager.java ManagerDemo.java

Test Packages Libraries Test Libraries

ManagerDemo - Navigator

Members ManagerDemo main(String[] args)

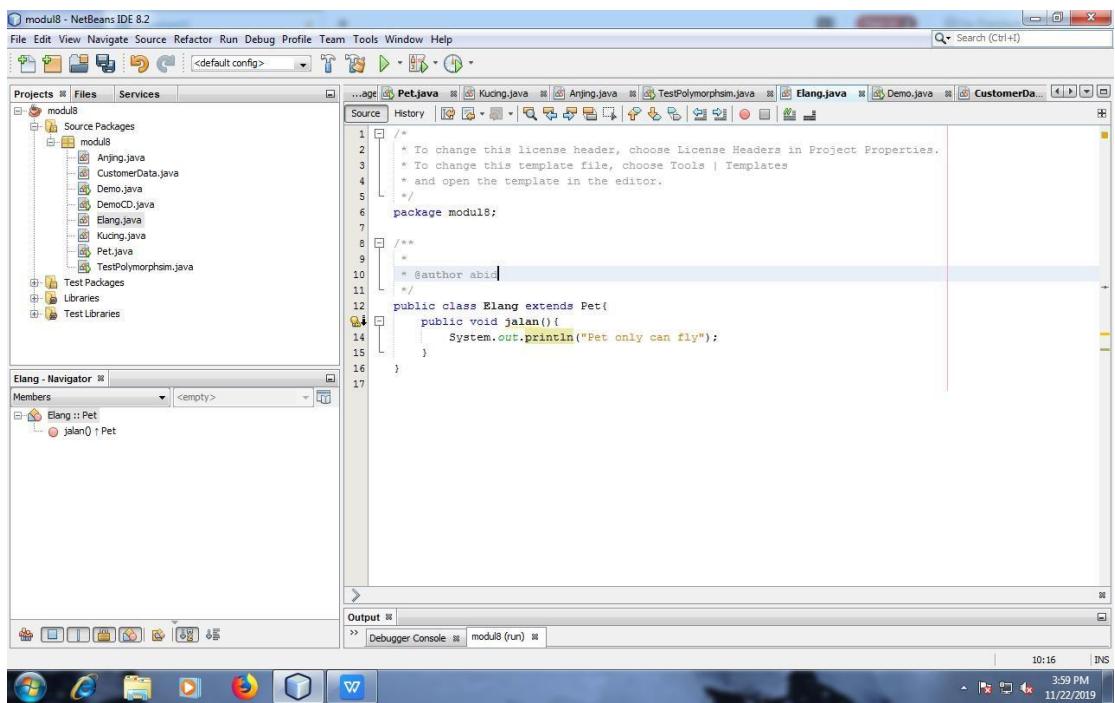
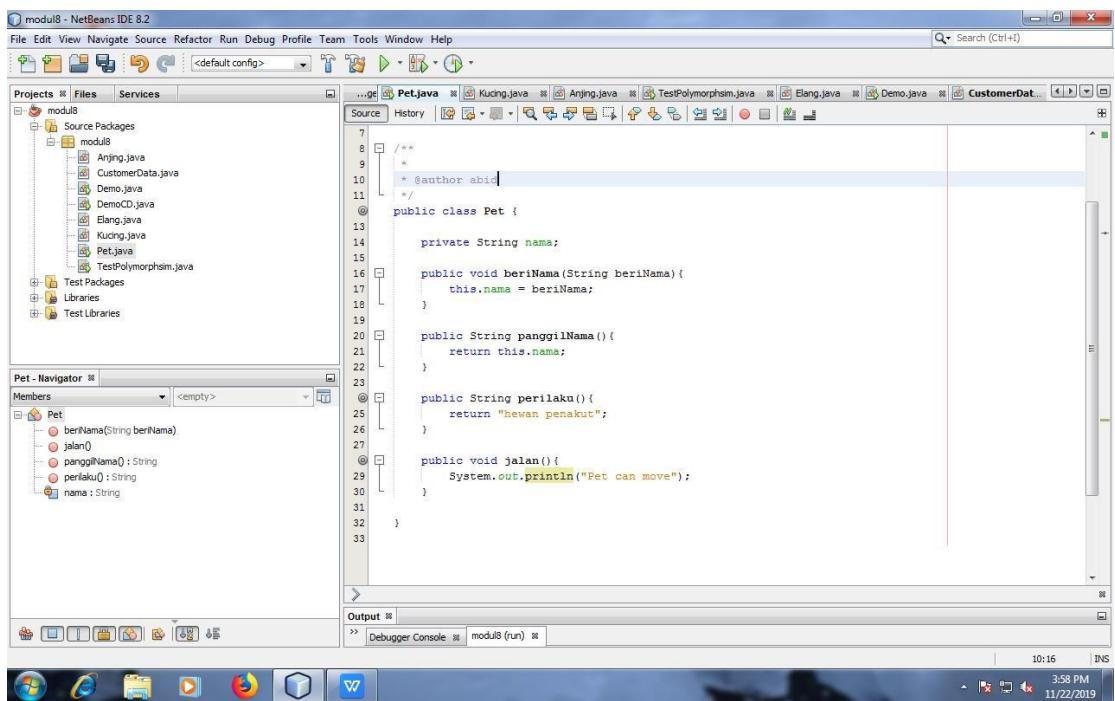
Output - Modul7 (run)

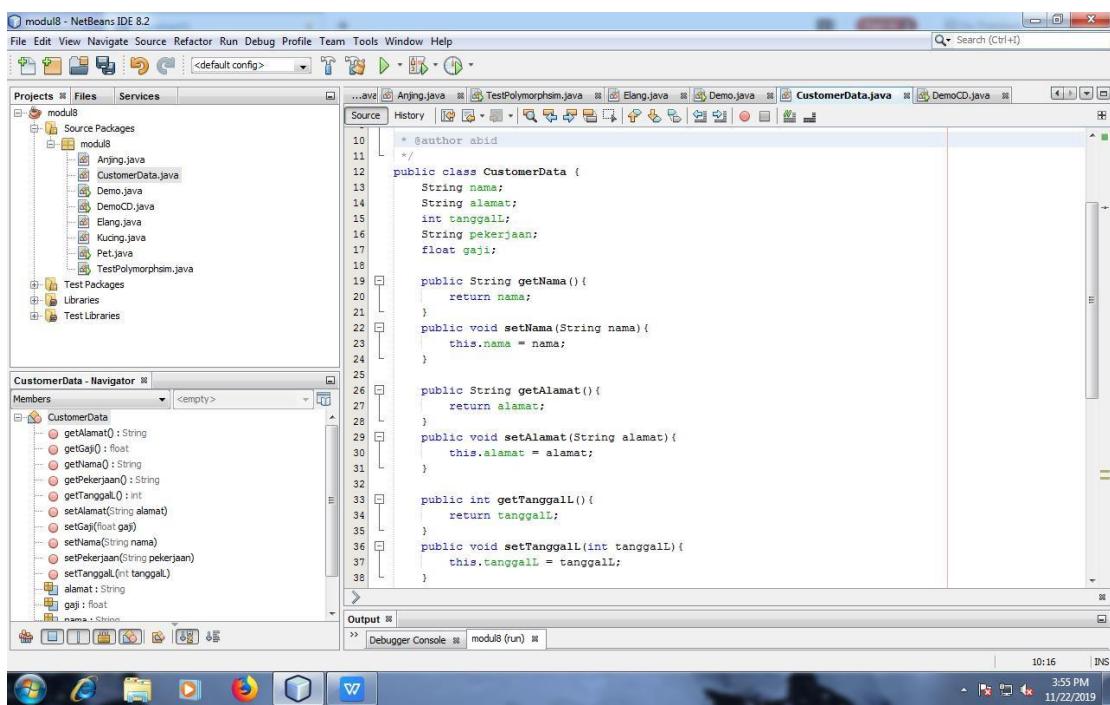
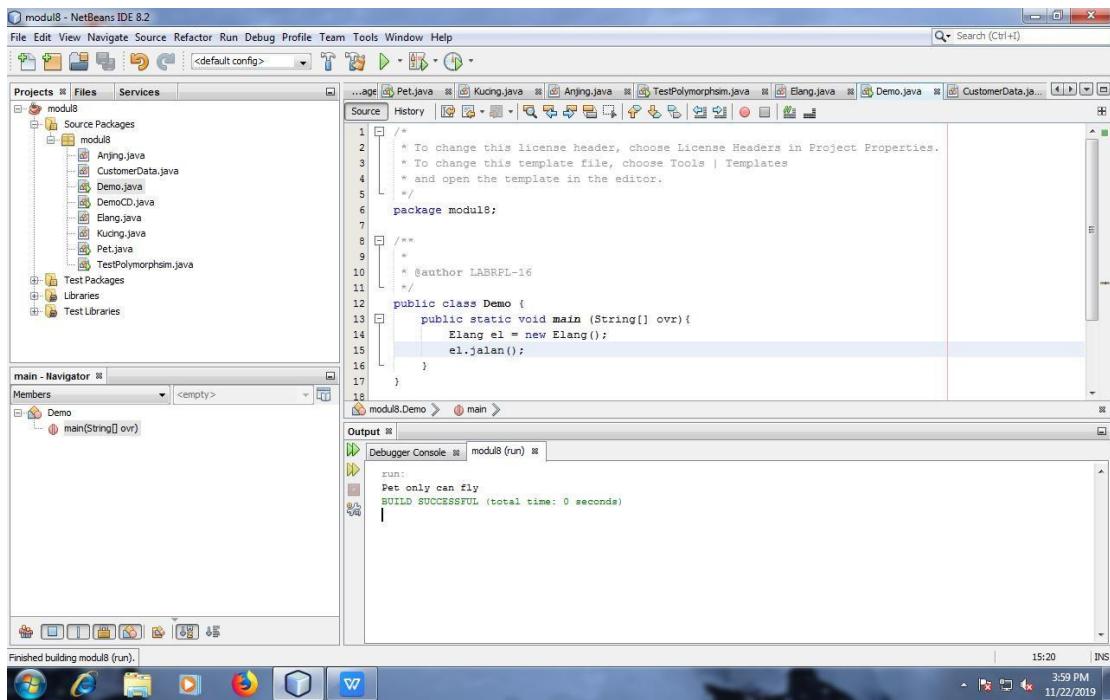
```
run:
anto
100000.0
30
solo
FKI
=====
ari
100000.0
31
sragen
FKG
=====
anang
100000.0
29
purwodadi
FKU
=====
diah
100000.0
35
boyolali
FEB
=====
rizin
100000.0
27
sragen
FKIP
=====
BUILD SUCCESSFUL (total time: 8 seconds)
```

Activate Windows Go to Settings to activate Windows.

10:16 12:48 IND 22/11/2019

Modul 8





modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Source History <default config> T E G V

Projects Files Services

modul8

Anjing.java TestPolymorphsim.java Elang.java Demo.java CustomerData.java DemoCD.java

Source History <default config> T E G V

Anjing.java

```
35     }
36     public void setTanggal(int tanggal){
37         this.tanggalL = tanggal;
38     }
39
40     public String getPekerjaan(){
41         return pekerjaan;
42     }
43
44     public void setPekerjaan(String pekerjaan){
45         this.pekerjaan = pekerjaan;
46     }
47
48     public float getGaji(){
49         return gaji;
50     }
51
52     public void setGaji(float gaji){
53         this.gaji = gaji;
54     }
}
```

CustomerData - Navigator

Members

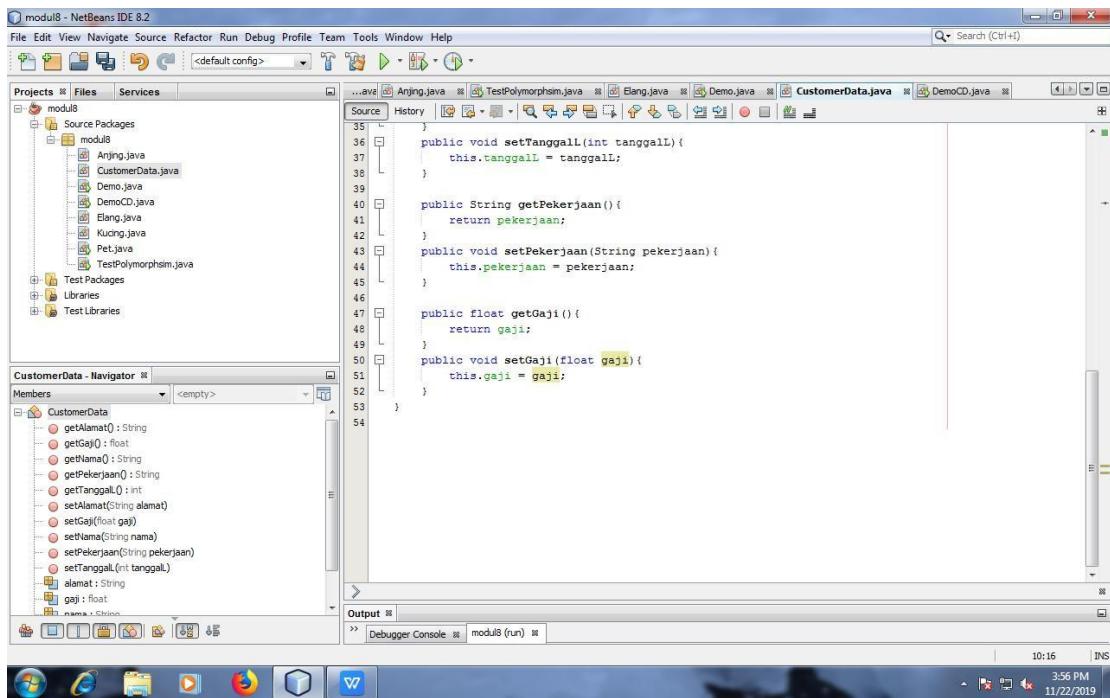
- getAlamat() : String
- getGaji() : float
- getNama() : String
- getPekerjaan() : String
- getTanggal() : int
- setAlamat(string alamat)
- setGaji(float gaji)
- setNama(String nama)
- setPekerjaan(String pekerjaan)
- setTanggal(int tanggal)

Output

modul8 (run) >

10:16 INS

3:56 PM 11/22/2019



modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Source History <default config> T E G V

Projects Files Services

modul8

Anjing.java TestPolymorphsim.java Elang.java Demo.java CustomerData.java DemoCD.java

Source History <default config> T E G V

DemoCD.java

```
12     public class DemoCD {
13         public static void main (String[] args){
14             CustomerData cd1 = new CustomerData();
15             CustomerData cd2 = new CustomerData();
16             CustomerData cd3 = new CustomerData();
17             CustomerData cd4 = new CustomerData();
18             CustomerData cd5 = new CustomerData();
19             CustomerData cd6 = new CustomerData();
20             CustomerData cd7 = new CustomerData();
21             CustomerData cd8 = new CustomerData();
22             CustomerData cd9 = new CustomerData();
23             CustomerData cd10 = new CustomerData();
24
25             cd1.setNama ("andi");
26             cd1.setAlamat ("solo");
27             cd1.setTanggal(1);
28             cd1.setPekerjaan ("ngulil");
29             cd1.setGaji(100000);
30
31             cd2.setNama ("budi");
32             cd2.setAlamat ("sukoharjo");
33             cd2.setTanggal(2);
34             cd2.setPekerjaan ("cleaning service");
35             cd2.setGaji(200000);
36
37             cd3.setNama ("andi");
38             cd3.setAlamat ("klaten");
39             cd3.setTanggal(3);
40             cd3.setPekerjaan ("administrasi");
41             cd3.setGaji(300000);
42         }
43     }
44 }
```

main - Navigator

Members

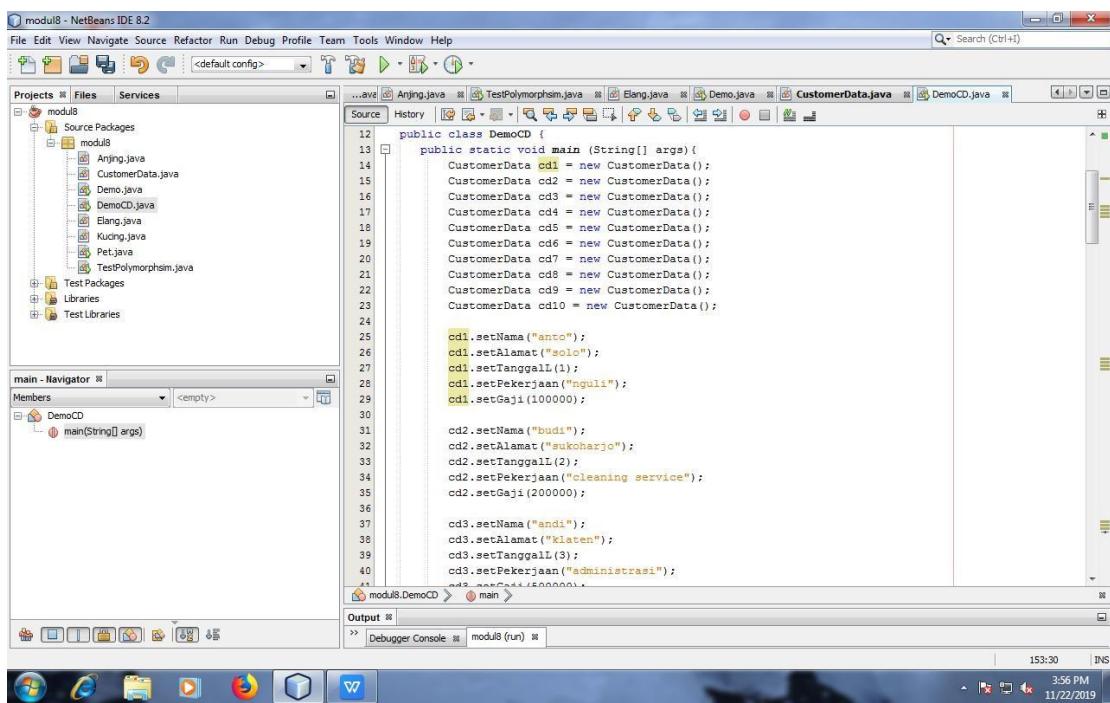
- main(String[] args)

Output

modul8.DemoCD > main >

153:30 INS

3:56 PM 11/22/2019



modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Source History Anjing.java TestPolymorphism.java Elang.java Demo.java CustomerData.java DemoCD.java

Projects Files Services modul8 Source Packages modul8 Anjing.java CustomerData.java Demo.java DemoCD.java Elang.java Kucing.java Pet.java TestPolymorphism.java Test Packages Libraries Test Libraries

main - Navigator Members <empty>

DemoCD main(String[] args)

```

43 cd4.setNama("hana");
44 cd4.setAlamat("boyolali");
45 cd4.setTanggal(4);
46 cd4.setPekerjaan("among tamu");
47 cd4.setGaji(700000);

48 cd5.setNama("hani");
49 cd5.setAlamat("boyolali");
50 cd5.setTanggal(4);
51 cd5.setPekerjaan("among tamu");
52 cd5.setGaji(700000);

53 cd6.setNama("kevin");
54 cd6.setAlamat("sragen");
55 cd6.setTanggal(5);
56 cd6.setPekerjaan("staff administrasi");
57 cd6.setGaji(1500000);

58 cd7.setNama("elde");
59 cd7.setAlamat("wonogiri");
60 cd7.setTanggal(6);
61 cd7.setPekerjaan("keuangan");
62 cd7.setGaji(1200000);

63 cd8.setNama("stephen");
64 cd8.setAlamat("wonogiri");
65 cd8.setTanggal(8);
66 cd8.setPekerjaan("staff manager");
67 cd8.setGaji(3000000);
68
69
70
71
72

```

modul8.DemoCD > main >

Output >> Debugger Console & modul8 (run) &

15:30 INS

modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Source History Anjing.java TestPolymorphism.java Elang.java Demo.java CustomerData.java DemoCD.java

Projects Files Services modul8 Source Packages modul8 Anjing.java CustomerData.java Demo.java DemoCD.java Elang.java Kucing.java Pet.java TestPolymorphism.java Test Packages Libraries Test Libraries

main - Navigator Members <empty>

DemoCD main(String[] args)

```

73 cd9.setNama("annie");
74 cd9.setAlamat("sukoharjo");
75 cd9.setTanggal(9);
76 cd9.setPekerjaan("sekretaris manager");
77 cd9.setGaji(4000000);

78 cd10.setName("andre");
79 cd10.setAlamat("solo");
80 cd10.setTanggal(10);
81 cd10.setPekerjaan("manager");
82 cd10.setGaji(5000000);

83 System.out.println(cd1.getName());
84 System.out.println(cd1.getTanggal());
85 System.out.println(cd1.getAlamat());
86 System.out.println(cd1.getPekerjaan());
87 System.out.println(cd1.getGaji());
88 System.out.println("=====");
89
90 System.out.println(cd2.getName());
91 System.out.println(cd2.getTanggal());
92 System.out.println(cd2.getAlamat());
93 System.out.println(cd2.getPekerjaan());
94 System.out.println(cd2.getGaji());
95 System.out.println("=====");
96
97 System.out.println(cd3.getName());
98 System.out.println(cd3.getTanggal());
99 System.out.println(cd3.getAlamat());
100 System.out.println(cd3.getPekerjaan());
101 System.out.println(cd3.getGaji());
102 System.out.println("=====");

```

modul8.DemoCD > main >

Output >> Debugger Console & modul8 (run) &

15:30 INS

modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Source Packages: modul8
Source Packages: modul8
Anjing.java TestPolymorphism.java Elang.java Demo.java CustomerData.java DemoCD.java
Source History... Find Replace... Open Recent... Save All Close All

106 System.out.println(cd4.getNama());
107 System.out.println(cd4.getAlamat());
108 System.out.println(cd4.getTanggall());
109 System.out.println(cd4.getPekerjaan());
110 System.out.println(cd4.getGaji());
111 System.out.println("====");
112 System.out.println(cd5.getNama());
113 System.out.println(cd5.getAlamat());
114 System.out.println(cd5.getTanggall());
115 System.out.println(cd5.getPekerjaan());
116 System.out.println(cd5.getGaji());
117 System.out.println("====");
118 System.out.println(cd6.getNama());
119 System.out.println(cd6.getAlamat());
120 System.out.println(cd6.getTanggall());
121 System.out.println(cd6.getPekerjaan());
122 System.out.println(cd6.getGaji());
123 System.out.println("====");
124 System.out.println(cd7.getNama());
125 System.out.println(cd7.getAlamat());
126 System.out.println(cd7.getTanggall());
127 System.out.println(cd7.getPekerjaan());
128 System.out.println(cd7.getGaji());
129 System.out.println("====");
130 System.out.println(cd8.getNama());
131 System.out.println(cd8.getAlamat());
132 System.out.println(cd8.getTanggall());
133 System.out.println(cd8.getPekerjaan());
134 System.out.println(cd8.getGaji());
135 System.out.println("====");
136 System.out.println(cd9.getNama());
137 System.out.println(cd9.getAlamat());
138 System.out.println(cd9.getTanggall());
139 System.out.println(cd9.getPekerjaan());
140 System.out.println(cd9.getGaji());
141 System.out.println("====");
142 System.out.println(cd10.getNama());
143 System.out.println(cd10.getAlamat());
144 System.out.println(cd10.getTanggall());
145 System.out.println(cd10.getPekerjaan());
146 System.out.println(cd10.getGaji());
147 System.out.println("====");
148 System.out.println(cd11.getNama());
149 System.out.println(cd11.getAlamat());
150 System.out.println(cd11.getTanggall());
151 System.out.println(cd11.getPekerjaan());
152 System.out.println(cd11.getGaji());
153 System.out.println("====");
154 }
155 }
156 }
157 }

main - Navigator
Members <empty>

DemoCD
main(String[] args)

Output
modul8 (run) >

153:30 INS 3:57 PM 11/22/2019

modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Source Packages: modul8
Source Packages: modul8
Anjing.java TestPolymorphism.java Elang.java Demo.java CustomerData.java DemoCD.java
Source History... Find Replace... Open Recent... Save All Close All

132 System.out.println("====");
133 System.out.println(cd8.getNama());
134 System.out.println(cd8.getTanggall());
135 System.out.println(cd8.getAlamat());
136 System.out.println(cd8.getPekerjaan());
137 System.out.println(cd8.getGaji());
138 System.out.println("====");
139 System.out.println(cd9.getNama());
140 System.out.println(cd9.getAlamat());
141 System.out.println(cd9.getTanggall());
142 System.out.println(cd9.getPekerjaan());
143 System.out.println(cd9.getGaji());
144 System.out.println("====");
145 System.out.println(cd10.getNama());
146 System.out.println(cd10.getAlamat());
147 System.out.println(cd10.getTanggall());
148 System.out.println(cd10.getPekerjaan());
149 System.out.println(cd10.getGaji());
150 System.out.println("====");
151 System.out.println(cd11.getNama());
152 System.out.println(cd11.getAlamat());
153 System.out.println(cd11.getTanggall());
154 System.out.println(cd11.getPekerjaan());
155 System.out.println(cd11.getGaji());
156 System.out.println("====");
157 }

main - Navigator
Members <empty>

DemoCD
main(String[] args)

Output
modul8 (run) >

153:30 INS 3:57 PM 11/22/2019

modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Files Services

modul8

Anjing.java CustomerData.java Demo.java Elang.java Kucing.java Pet.java TestPolymorphism.java

Test Packages Libraries Test Libraries

main - Navigator

Members <empty>

DemoCD main(String[] args)

Output

```
run:
anto
1
solo
ngui
100000.0
-----
budi
2
sukoharjo
cleaning service
200000.0
-----
andi
3
klasen
administrasi
500000.0
-----
hana
4
boyalali
among tamu
700000.0
-----
hani
4
boyalali
among tamu
700000.0
-----
kevin
5
```

153:30 INS

3:57 PM 11/22/2019

modul8 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Files Services

modul8

Anjing.java CustomerData.java Demo.java Elang.java Kucing.java Pet.java TestPolymorphism.java

Test Packages Libraries Test Libraries

main - Navigator

Members <empty>

DemoCD main(String[] args)

Output

```
kevin
6
stagen
staff administrasi
1500000.0
-----
aldo
6
wonggori
keuangan
1200000.0
-----
stephen
8
wonggori
staff manager
3000000.0
-----
annie
9
sukoharjo
sekretaris manager
4000000.0
-----
andre
10
solo
manager
5000000.0
-----
BUILD SUCCESSFUL (total time: 0 seconds)
```

153:30 INS

3:58 PM 11/22/2019

Modul 9

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

methodAbstract.java

```
6 package modul9;*
7
8 /**
9  * @author :Lenovo
10 */
11 public abstract class methodAbstract {
12     public abstract int luas();
13     public abstract int keliling();
14 }
15
16 public int getLuas() {
17     return luas();
18 }
19
20 public int getKeliling() {
21     return keliling();
22 }
23
24 }
```

Properties

- Name: methodAbstract
- Extension: java
- File Size: 491
- Modification Time: Jan 12, 2020 1:48:1...
- All Files: C:\Users\Lenovo\...

Classpaths

- Compile Classpath: C:\Users\Lenovo\...
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

methodAbstract - Navigator

Members

- methodAbstract
- getKeling(): int
- getLuas(): int
- keling(): int
- luas(): int

Output - Praktikum (run)

run:

- balok
- volume : 12
- luas permukaan : 46

BUILD SUCCESSFUL (total time: 0 seconds)

Activate Windows
Go to Settings to activate Windows.

23:2 INS

Type here to search

Windows Taskbar: 14.26, 12/01/2020, 23

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

methodAbstract.java

```
10 /**
11  * @author :Lenovo
12 */
13 public class persegiPanjang extends methodAbstract {
14     int panjang = 4;
15     int lebar = 2;
16
17     public int luas() {
18         return panjang * lebar;
19     }
20
21     public int keliling() {
22         return (panjang + lebar) * 2;
23     }
24
25     public static void main(String[] args) {
26         persegiPanjang pp = new persegiPanjang();
27         System.out.println("persegi panjang");
28         System.out.println("luas : " + pp.luas());
29         System.out.println("keliling : " + pp.keliling());
30     }
31 }
```

Properties

- Name: persegiPanjang
- Extension: java
- File Size: 751
- Modification Time: Jan 12, 2020 1:48:1...
- All Files: C:\Users\Lenovo\...

Classpaths

- Compile Classpath: C:\Users\Lenovo\...
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

persegiPanjang.java - Navigator

Members

- persegiPanjang :: methodAbstract
- luas(): int
- main(String[] args)
- lebar: int
- panjang: int

Output - Praktikum (run)

run:

- persegi panjang
- luas : 8
- keliling : 12

BUILD SUCCESSFUL (total time: 1 second)

Activate Windows
Go to Settings to activate Windows.

29:6 INS

Type here to search

Windows Taskbar: 14.27, 12/01/2020, 23

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History

```

10  * @author ·Lenovo·
11  */
12  public class JajarGenjang extends methodAbstract {
13      ... int alas = 4;
14      ... int tinggi = 2;
15      ... int sisiMiring = 3;
16      ...
17      ...
18      public int luas () {
19          ...
20          ...
21          ...
22          ...
23          ...
24      }
25      ...
26      public static void main (String [] args) {
27          JajarGenjang jg = new JajarGenjang ();
28          System.out.println ("Jajar Genjang");
29          System.out.println ("Luas : " + jg.luas ());
30          System.out.println ("keliling : " + jg.keliling ());
31      }

```

jajarGenjang - Navigator

Members

- JajarGenjang :: methodAbstract
- luas() : int ↗ methodAbstract
- main(String[] args)
- alas : int
- sisiMiring : int
- tinggi : int

Output - Praktikum (run)

```

run:
jajar genjang
luas : 8
keliling : 14
BUILD SUCCESSFUL (total time: 0 seconds)

```

Properties

- Name: jajarGenjang
- Extension: java
- File Size: 766
- Modification Time: Jan 12, 2020 2:10:5...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath
- Boot Classpath

Activate Windows
Go to Settings to activate Windows.

12:27/1:22 INS

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History

```

9  /**
10  * @author ·Lenovo·
11  */
12  public class Lingkaran extends methodAbstract {
13      ... double r = 4;
14      ...
15      ...
16      public int luas () {
17          ...
18          ...
19          ...
20          ...
21          ...
22      }
23      ...
24      public static void main (String [] args) {
25          Lingkaran l = new Lingkaran ();
26          System.out.println ("Lingkaran");
27          System.out.println ("Luas : " + l.luas ());
28          System.out.println ("keliling : " + l.keliling ());
29      }

```

kelling - Navigator

Members

- Lingkaran :: methodAbstract
- luas() : int ↗ methodAbstract
- main(String[] args)
- r : double

Output - Praktikum (run)

```

run:
Lingkaran
luas : 50
keliling : 25
BUILD SUCCESSFUL (total time: 0 seconds)

```

Properties

- Name: Lingkaran
- Extension: java
- File Size: 709
- Modification Time: Jan 12, 2020 2:10:5...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath
- Boot Classpath

Activate Windows
Go to Settings to activate Windows.

20:1 INS

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History Search (Ctrl+F)

...ave jajarGenjang.java Lingkaran.java segitiga.java bangunruang.java balok.java...

modul4 modul5 modul6 modul7 modul8 modul9 Lingkaran.java balok.java bangunruang.java bola.java jajarGenjang.java kerucut.java kubus.java methodAbstract.java persegiPanjang.java prismsegitiga.java segitiga.java

Test Packages Libraries

segitiga - Navigator

Members

- segitiga :: methodAbstract
- ↳ keling() int : methodAbstract
- ↳ luas() int : methodAbstract
- ↳ main(String[] args)
- ↳ alas : int
- ↳ sisimiring : int
- ↳ tinggi : int

segitiga.java - Properties

- Name: segitiga
- Extension: java
- File Size: 756
- Modification Time: Jan 12, 2020 2:10:5...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

Output - Praktikum (run)

```
run:
segitiga
luas : 4
keliling : 10
BUILD SUCCESSFUL (total time: 0 seconds)
```

Activate Windows
Go to Settings to activate Windows.

12:23 INS

Type here to search

14.28 12/01/2020

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History Search (Ctrl+F)

...ave jajarGenjang.java Lingkaran.java segitiga.java bangunruang.java balok.java...

modul4 modul5 modul6 modul7 modul8 modul9 Lingkaran.java balok.java bangunruang.java bola.java jajarGenjang.java kerucut.java kubus.java methodAbstract.java persegiPanjang.java prismsegitiga.java segitiga.java

Test Packages Libraries

getLuasP - Navigator

Members

- bangunruang
- ↳ getLuasP() int
- ↳ getVolume() int
- ↳ luaspermukaan() int
- ↳ volume() int

bangunruang.java - Properties

- Name: bangunruang
- Extension: java
- File Size: 501
- Modification Time: Jan 12, 2020 2:10:5...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

Output - Praktikum (run)

```
run:
segitiga
luas : 4
keliling : 10
BUILD SUCCESSFUL (total time: 0 seconds)
```

Activate Windows
Go to Settings to activate Windows.

21:32 INS

Type here to search

14.28 12/01/2020

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History

```

11  public class balok extends bangunruang {
12      ...int panjang = 4; ...
13      ...int lebar = 2; ...
14      ...int tinggi = 3; ...
15
16      ...
17      ...public int volume() { ...
18          ...return panjang * lebar * tinggi; ...
19      } ...
20
21      ...
22      ...public int luaspermukaan() { ...
23          ...return (2 * panjang * lebar) + (2 * panjang * tinggi) + (2 * lebar * tinggi); ...
24      } ...
25
26      ...
27      ...public static void main(String[] args) { ...
28          ...balok b = new balok(); ...
29          ...System.out.println("balok"); ...
30          ...System.out.println("volume : " + b.volume()); ...
31          ...System.out.println("luas permukaan : " + b.luaspermukaan()); ...
32      } ...

```

Properties

- Name: balok
- Extension: java
- File Size: 794
- Modification Time: Jan 12, 2020 2:12:3...
- All Files: C:\Users\Lenovo\...

Classpaths

- Compile Classpath: C:\Users\Lenovo\...
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

Output - Praktikum (run)

```

run:
balok
volume : 24
luas permukaan : 52
BUILD SUCCESSFUL (total time: 0 seconds)

```

Activate Windows
Go to Settings to activate Windows.

21:24 INS

14.28 12/01/2020

Type here to search

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History

```

10  / **
11  */
12  public class kubus extends bangunruang {
13      ...int sisi = 4; ...
14
15      ...
16      ...public int volume() { ...
17          ...return sisi * sisi * sisi; ...
18      } ...
19
20      ...
21      ...public int luaspermukaan() { ...
22          ...return 6 * (sisi * sisi); ...
23      } ...
24
25      ...
26      ...public static void main(String[] args) { ...
27          ...kubus k = new kubus(); ...
28          ...System.out.println("kubus"); ...
29          ...System.out.println("volume : " + k.volume()); ...
30          ...System.out.println("luas permukaan : " + k.luaspermukaan()); ...

```

Properties

- Name: kubus
- Extension: java
- File Size: 703
- Modification Time: Jan 12, 2020 2:14:5...
- All Files: C:\Users\Lenovo\...

Classpaths

- Compile Classpath: C:\Users\Lenovo\...
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

Output - Praktikum (run)

```

run:
kubus
volume : 64
luas permukaan : 96
BUILD SUCCESSFUL (total time: 0 seconds)

```

Activate Windows
Go to Settings to activate Windows.

27:49 INS

14.28 12/01/2020

Type here to search

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History

```
8  /* @author Lenovo
9
10 public class bola extends bangunruang {
11     int r;
12     public int volume() {
13         return (int) (1.3*3.14*r*r);
14     }
15     public int luaspermukaan() {
16         return (int) (4*3.14*r*r);
17     }
18     public static void main(String[] args) {
19         bola bo = new bola();
20         System.out.println("balok");
21         System.out.println("volume : "+bo.volume());
22         System.out.println("luas permukaan : "+bo.luaspermukaan());
23     }
24 }
```

main - Navigator

Members

- bola :: bangunruang
- luaspermukaan(): int ↑ bangunruang
- main(String[] args)
- volume(): int ↑ bangunruang

Output - Praktikum (run)

```
run:
balok
volume : 261
luas permukaan : 200
BUILD SUCCESSFUL (total time: 0 seconds)
```

Properties

- Name: bola
- Extension: java
- File Size: 708
- Modification Time: Jan 12, 2020 2:27:1...
- All Files: C:\Users\Lenovo\...

Classpaths

- Compile Classpath: C:\Users\Lenovo\...
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

Activate Windows
Go to Settings to activate Windows.

27:50 INS

Type here to search

14.28 12/01/2020

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source History

```
10  /* @author Lenovo
11
12 public class kerucut extends bangunruang {
13     int r = 4;
14     int tinggi = 3;
15     int s = 5;
16
17     public int volume() {
18         return (int) (0.3*3.14*(r*r)*tinggi);
19     }
20
21     public int luaspermukaan() {
22         return (int) ((3.14*r*r)+(3.14*r*s));
23     }
24
25     public static void main(String[] args) {
26         kerucut ke = new kerucut();
27         System.out.println("balok");
28         System.out.println("volume : "+ke.volume());
29         System.out.println("luas permukaan : "+ke.luaspermukaan());
30     }
31 }
```

main - Navigator

Members

- kerucut :: bangunruang
- luaspermukaan(): int ↑ bangunruang
- main(String[] args)
- volume(): int ↑ bangunruang

Output - Praktikum (run)

```
run:
balok
volume : 48
luas permukaan : 113
BUILD SUCCESSFUL (total time: 0 seconds)
```

Properties

- Name: kerucut
- Extension: java
- File Size: 777
- Modification Time: Jan 12, 2020 2:27:1...
- All Files: C:\Users\Lenovo\...

Classpaths

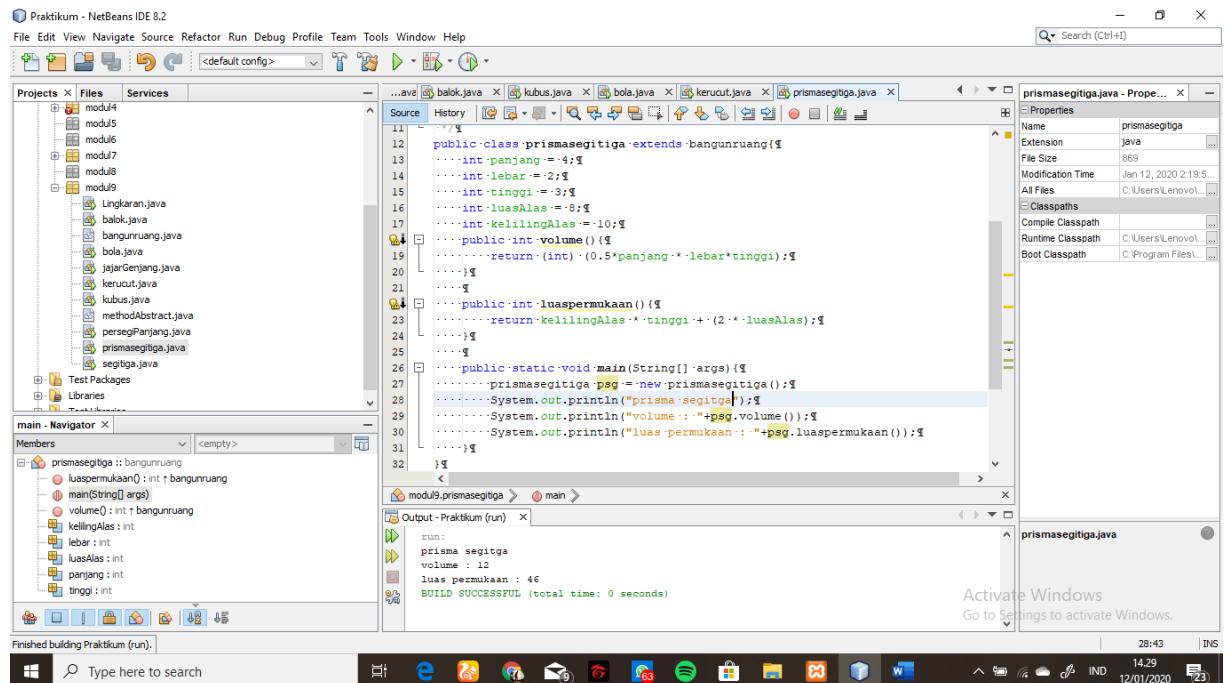
- Compile Classpath: C:\Users\Lenovo\...
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

Activate Windows
Go to Settings to activate Windows.

29:50 INS

Type here to search

14.29 12/01/2020



Modul 10

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

Source Packages

- modul11
- modul12
- Praktikum
 - Source Packages
 - modul1
 - ActivityAnimal.java
 - ActivityLampu.java
 - AplikasiLampu.java
 - Lampu.java
 - Mamala.java
 - modul10
 - Demo.java
 - Nestedclasse.java
 - coba.java
 - cobademo.java
 - modul11
 - Demo.java
 - Nestedclasse.java
 - coba.java
 - cobademo.java
 - modul2
 - modul3
 - modul4

Navigator X

Members

 - ActivityLampu :: none
 - hidupkanLampu()
 - matikanLampu()
 - redupkanLampu()
 - LAMPU_HIDUP : int
 - LAMPU_MATI : int
 - LAMPU_REDUP : int

Source History

ActivityLampu.java - Properties

 - Name: ActivityLampu
 - Extension: java
 - File Size: 544
 - Modification Time: Dec 6, 2019 3:00:47...
 - All Files: C:\Users\Lenovo\...
 - Classpaths
 - Compile Classpath
 - Runtime Classpath: C:\Users\Lenovo\...
 - Boot Classpath: C:\Program Files\...

ActivityLampu.java

```
1 // To change this license header, choose License Headers in Project Properties
2 // To change this template file, choose Tools | Templates
3 // and open the template in the editor.
4 
5 package Modul9;
6 
7 /**
8 */
9 
10 /**
11 */
12 public interface ActivityLampu {
13     /**
14      * public static final int LAMPU_HIDUP = -1;
15      * public static final int LAMPU_MATI = 0;
16      * public static final int LAMPU_REDUP = 2;
17      */
18     /**
19      * public abstract void matikanLampu();
20      */
21     /**
22      * public abstract void hidupkanLampu();
23      */
24     /**
25      * public abstract void redupkanLampu();
26      */
27 }
28 
```

Output - Praktikum (run) X

```
run:
Status Lampu ==0
ketikan
1 untuk menyalaikan lampu
0 untuk imematikan lampu
2 untuk meredupkan lampu
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

14:32 12/01/2020

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

Source Packages

- modul11
- modul12
- Praktikum
 - Source Packages
 - modul1
 - ActivityAnimal.java
 - ActivityLampu.java
 - AplikasiLampu.java
 - Lampu.java
 - Mamala.java
 - modul10
 - Demo.java
 - Nestedclasse.java
 - coba.java
 - cobademo.java
 - modul11
 - Demo.java
 - Nestedclasse.java
 - coba.java
 - cobademo.java
 - modul2
 - modul3
 - modul4

statusLampu - Navigator X

Members

 - Lampu :: ActivityLampu
 - hidupkanLampu()
 - matikanLampu()
 - redupkanLampu()
 - setsakar(int sakar) : int
 - statusLampu : int

Source History

Lampu.java - Properties

 - Name: Lampu
 - Extension: java
 - File Size: 1414
 - Modification Time: Jan 12, 2020 2:31:4...
 - All Files: C:\Users\Lenovo\...
 - Classpaths
 - Compile Classpath
 - Runtime Classpath: C:\Users\Lenovo\...
 - Boot Classpath: C:\Program Files\...

Lampu.java

```
1 package Modul9;
2 
3 public class Lampu implements ActivityLampu {
4     /**
5      * public int statusLampu;
6      */
7     /**
8      * @Override
9      */
10    public void matikanLampu() {
11        if (statusLampu==0) {
12            System.out.println("Lampu sudah dalam kondisi mati");
13        }
14    }
15    /**
16     */
17    public void hidupkanLampu() {
18        if (statusLampu==1) {
19            System.out.println("Lampu sudah dinyalakan***");
20        }
21    }
22    /**
23     */
24    public void redupkanLampu() {
25        if (statusLampu==2) {
26            System.out.println("Lampu sudah dalam kondisi meredup");
27        }
28    }
29 }
30 
```

Output - Praktikum (run) X

```
run:
Status Lampu ==0
ketikan
1 untuk menyalaikan lampu
0 untuk imematikan lampu
2 untuk meredupkan lampu
```

Activate Windows
Go to Settings to activate Windows.

Type here to search

13:14 12/01/2020

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

Lampu.java -> Source History < default config >

```

20
21     ...
22     ...
23     ...
24     ...
25     ...
26     ...
27     ...
28     ...
29     ...
30     ...
31     ...
32     ...
33     ...
34     ...
35     ...
36     ...
37     ...
38     ...
39     ...
40     ...
41     ...
42     ...
43     ...
44     ...
45     ...
46     ...
47     ...
48     ...
49     ...
50     ...

```

Properties

- Name: Lampu
- Extension: java
- File Size: 1414
- Modification Time: Jan 12, 2020 2:31:4...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

statusLampu - Navigator

Members

- Lampu :: ActivityLampu
- hidupkanLampu()
- matikanLampu()
- redupkanLampu()
- setSaklar(int saklar) : int
- statusLampu : int

Modul9.Lampu > statusLampu >

Output - Praktikum (run)

```

run:
Status Lampu =0
ketikkan
1 untuk menyalaikan lampu
0 untuk imematikan lampu
2 untuk meredukan lampu

```

Activate Windows
Go to Settings to activate Windows.

13:14 INS

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

AplikasiLampu.java -> Source History < default config >

```

7
8 package Modul9;
9 
10 import java.util.Scanner;
11 
12 /*
13  * Author: Lenovo
14 */
15 public class AplikasiLampu {
16     ...
17     ...
18     ...
19     ...
20     ...
21     ...
22     ...
23     ...
24     ...
25     ...
26     ...
27     ...
28     ...

```

Properties

- Name: AplikasiLampu
- Extension: java
- File Size: 944
- Modification Time: Dec 6, 2019 3:08:28...
- All Files: C:\Users\Lenovo\...
- Classpaths
- Compile Classpath
- Runtime Classpath: C:\Users\Lenovo\...
- Boot Classpath: C:\Program Files\...

AplikasiLampu.java - Properties

Output - Praktikum (run)

```

run:
Status Lampu =0
ketikkan
1 untuk menyalaikan lampu
0 untuk imematikan lampu
2 untuk meredukan lampu

```

Activate Windows
Go to Settings to activate Windows.

11:11 INS

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

Source Packages

modul11 modul12 Praktikum

modul10

modul11

modul12

modul2

modul3

modul4

ActivityAnimal.java ActivityLampu.java AplikasiLampu.java Lampu.java Mamalia.java

Demo.java Nestedclasse.java coba.java cobademo.java

ApplikasiLampu.java Privaten.java KaryawanDemo.java Modul.java Manage...

Source History |

13 ... /

14 public class ApplikasiLampu {

15 public static void main(String[] args) {

16 Lampu lamp = new Lampu();

17 Scanner sc = new Scanner(System.in);

18 lamp.setStatusLampu = lamp.setSaklar(0);

19 System.out.println("Status Lampu =" + lamp.getStatusLampu() + " ketikan");

20 System.out.println("1 untuk menyalakan lampu \n0 untuk imematikan lampu");

21 if(lamp.setSaklar(sc.nextInt())==0){

22 lamp.matiKanLampu();

23 }else{

24 if(lamp.getStatusLampu()==1){

25 lamp.hidupkanLampu();

26 }else{

27 lamp.redupkanLampu();

28 }else{if(lamp.getStatusLampu()==2){

29 lamp.redupkanLampu();

30 }}

31 }

Output - Praktikum (run) X

run:

Status Lampu =0
ketikan
1 untuk menyalakan lampu
0 untuk imematikan lampu
2 untuk meredupkan lampu
2
Lampu sudah diredukan

BUILD SUCCESSFUL (total time: 14 seconds)

Properties

Name: ApplikasiLampu

Extension: java

File Size: 944

Modification Time: Dec 6, 2019 3:08:28...

All Files: C:\Users\Lenovo\...

Classpaths

Compile Classpath: C:\Users\Lenovo\...

Runtime Classpath: C:\Users\Lenovo\...

Boot Classpath: C:\Program Files\...

Activate Windows Go to Settings to activate Windows.

1:1 INS

Type here to search

Windows Taskbar: File Explorer, Edge, Google Chrome, Mail, Spotify, FileZilla, Microsoft Store, File Manager, Task View, Taskbar Icons, Date/Time

Modul 11

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Files Services

Modul11.java

modul12

Praktikum

Source Packages

- modul1
- modul10
- modul11
 - Demo.java
 - Nestedclas.java
 - coba.java
 - cobademo.java
- modul2
- modul3
- modul4
- modul5
- modul6
- modul7
- modul8

InnerClass - Navigator

Members

- Nestedclas
 - printNama()
 - nama : String
 - nim : String
 - InnerClass
 - displayJurusan() : String
 - snc : StaticNestedClass
 - StaticNestedClass
 - displayNama()

Source History

```
11  public class Nestedclas {§
12      ...String nama = "abid";§
13      ...String nim = "L200180059";§
14      ...§
15      ...public void printNama () {§
16          ...System.out.println(nama + " : " + nim);§
17          ...§
18          ...}§
19          ...§
20          ...static class InnerClass {§
21              ...private String jurusan = "informatika";§
22              ...void displayNama () {§
23                  ...Nestedclas nc = new Nestedclas ();§
24                  ...nc.printNama ();§
25                  ...}§
26                  ...§
27                  ...static class StaticNestedClass {§
28                      ...StaticNestedClass snc = new StaticNestedClass ();§
29                      ...String displayJurusan () {§
30                          ...return this.snc.jurusan;§
31                          ...}§
32                          ...§
33                          ...}§
34                          ...§
35                          ...}§
36                          ...}§
37                          ...}§
```

Output - Praktikum (run)

Activate Windows Go to Settings to activate Windows.

run:

27.11 18/12/2019

Praktikum - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects Files Services

Modul11.java

modul12

Praktikum

Source Packages

- modul1
- modul10
- modul11
 - Demo.java
 - Nestedclas.java
 - coba.java
 - cobademo.java
- modul2
- modul3
- modul4
- modul5
- modul6
- modul7
- modul8

main - Navigator

Members

- Demo
 - main(String[] args)

Source History

```
1  /* To change this license header, choose License Headers in Project Properties. §
2  * To change this template file, choose Tools | Templates. §
3  * To change this template file, choose Tools | Templates. §
4  * To change this template file, choose Tools | Templates. §
5  * §
6  * package modul11;§
7  * §
8  * /§
9  * §
10  * §
11  * §
12  * public class Demo {§
13  *     ...public static void main(String[] args) {§
14  *         ...Nestedclas outer = new Nestedclas ();§
15  *         ...Nestedclas.StaticNestedClass snc = new Nestedclas.StaticNestedClass ();§
16  *         ...Nestedclas.InnerClass innerr = new Nestedclas.InnerClass ();§
17  *         ...outer.printNama ();§
18  *         ...snc.displayNama ();§
19  *         ...System.out.println(innerr.displayJurusan());§
20  *     }§
21  * }§
22  *
```

Output - Praktikum (run)

Activate Windows Go to Settings to activate Windows.

run:
abid : L200180059
abid : L200180059
informatika
BUILD SUCCESSFUL (total time: 0 seconds)

17.27 18/12/2019

Modul 12

modul12 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

modul12

Source Packages

- a
 - DemoLabel.java
 - DemoRadioButton.java
 - DemoTextField.java
 - FrameA.java
 - FrameB.java
 - Penguins.jpg
 - Tugas1.java
 - Tugas2.java
 - Utama.java

Test Packages

- Libraries
- Test Libraries

Praktikum

Source Packages

- modul1

Navigator X

Members

- Utama :: JFrame
 - Utama()
 - main(String[] args)

Source History

```
1 package a;
2
3 public class Utama extends javax.swing.JFrame {
4     ...
5     public Utama() {
6         ...
7             super("Belajar mengenal GUI");
8             ...
9                 setSize(300,150);
10                setDefaultCloseOperation(EXIT_ON_CLOSE);
11                ...
12                public static void main(String[] args) {
13                    ...
14                        Utama u = new Utama();
15                    ...
16                }
17            }
18        }
19    }
```

Output - modul12 (run) X

run:

modul12 (run) running... 1:1 INS

Activate Windows Go to Settings to activate Windows.

Utama.java Properties

- Name: Utama
- Extension: java
- File Size: 365
- Modification Time: Dec 20, 2019 3:11:0...
- All Files
- Classpaths
 - Compile Classpath
 - Runtime Classpath F:\alida shitul'apal...
 - Boot Classpath C:\Program Files\...

Belajar mengenal GUI

modul12 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects X Files Services

modul12

Source Packages

- a
 - DemoLabel.java
 - DemoRadioButton.java
 - DemoTextField.java
 - FrameA.java
 - FrameB.java
 - Penguins.jpg
 - Tugas1.java
 - Tugas2.java
 - Utama.java

Test Packages

- Libraries
- Test Libraries

Praktikum

Source Packages

- modul1

Navigator X

Members

- FrameA :: JFrame
 - FrameA()
 - main(String[] args)

Source History

```
1 package a;
2
3 import java.awt.Container;
4 import javax.swing.JButton;
5
6 public class FrameA extends javax.swing.JFrame {
7     ...
8     public FrameA() {
9         ...
10            super("Frame dan button");
11            ...
12            setSize(100, 50);
13            ...
14            setDefaultCloseOperation(EXIT_ON_CLOSE);
15            ...
16            setVisible(true);
17            ...
18            setLocationRelativeTo(null);
19        }
20    }
```

Output - modul12 (run) X

run:

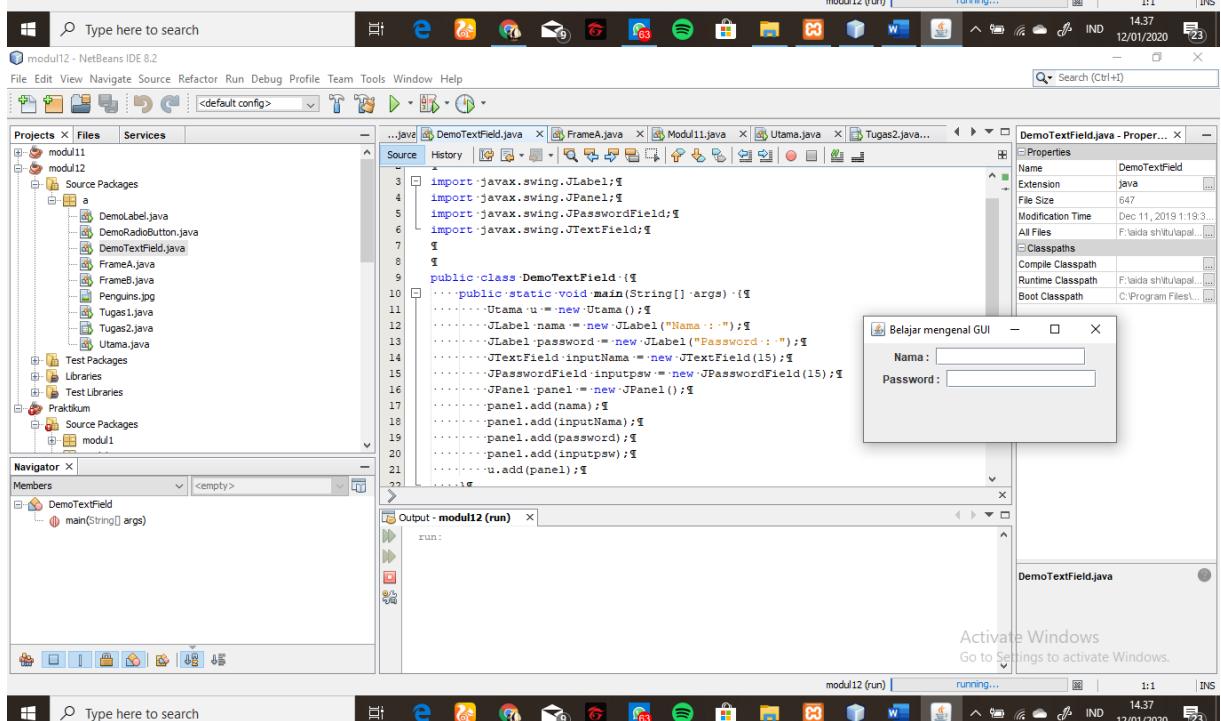
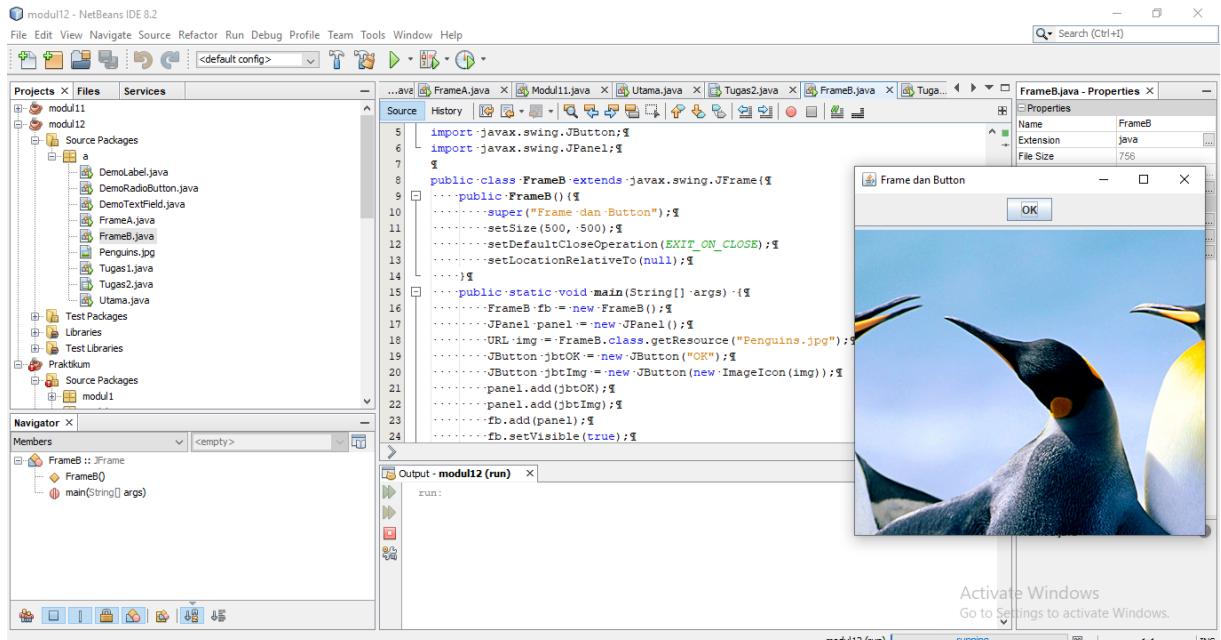
modul12 (run) running... 1:1 INS

Activate Windows Go to Settings to activate Windows.

FrameA.java Properties

- Name: FrameA
- Extension: java
- File Size: 546
- Modification Time: Dec 11, 2019 1:14:3...
- All Files
- Classpaths
 - Compile Classpath
 - Runtime Classpath F:\alida shitul'apal...
 - Boot Classpath C:\Program Files\...

Frame dan button



modul12 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source Packages

```

1 import javax.swing.ButtonGroup;
2 import javax.swing.JLabel;
3 import javax.swing.JPanel;
4 import javax.swing.JRadioButton;
5
6 public class DemoRadioButton {
7     ...
8     public static void main(String[] args) {
9         Utama u = new Utama();
10        u.setSize(1000, 100);
11        ...
12        ...
13        JRadioButton[] teams = new JRadioButton[5];
14        teams[0] = new JRadioButton("Sangat tidak setuju");
15        teams[1] = new JRadioButton("Tidak setuju");
16        teams[2] = new JRadioButton("Kurang setuju");
17        teams[3] = new JRadioButton("Setuju");
18        teams[4] = new JRadioButton("Sangat setuju");
19        ...
20        JPanel panel = new JPanel();
21        ...
22        panel.add(Pertanyaan);
23        ...
24        ButtonGroup group = new ButtonGroup();
25        for(int i = 0; i < teams.length; i++) {
26            group.add(teams[i]);
27            panel.add(teams[i]);
28        }
29        ...
30        u.add(panel);
31        u.setVisible(true);
32    }
}

```

Output - modul12 (run)

run:
BUILD SUCCESSFUL (total time: 13 seconds)

Properties

DemoRadioButton.java - Project

- Name: DemoRadioButton
- Extension: java
- File Size: 1064
- Modification Time: Dec 11, 2019 1:37:1...
- All Files: F:\aida shitul\epal...
- Classpath
- Compile Classpath
- Runtime Classpath: F:\aida shitul\epal...
- Boot Classpath: C:\Program Files\...

DemoRadioButton.java

Activate Windows
Go to Settings to activate Windows.

modul12 - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Projects Files Services

Source Packages

```

14 ...
15 teams[0] = new JRadioButton("sangat tidak setuju");
16 ...
17 ...
18 ...
19 ...
20 ...
21 ...
22 ...
23 ...
24 ...
25 ...
26 ...
27 ...
28 ...
29 ...
30 ...
31 ...
32 ...

```

Properties

DemoRadioButton.java - Project

- Name: DemoRadioButton
- Extension: java
- File Size: 1064
- Modification Time: Dec 11, 2019 1:37:1...
- All Files: F:\aida shitul\epal...
- Classpath
- Compile Classpath
- Runtime Classpath: F:\aida shitul\epal...
- Boot Classpath: C:\Program Files\...

Belajar mengenal GUI

Modul Praktikum Pemrograman Berorientasi Objek jelas dan mudah.

Sangat tidak setuju Tidak setuju Kurang setuju Setuju Sangat setuju

DemoRadioButton.java

Activate Windows
Go to Settings to activate Windows.

