

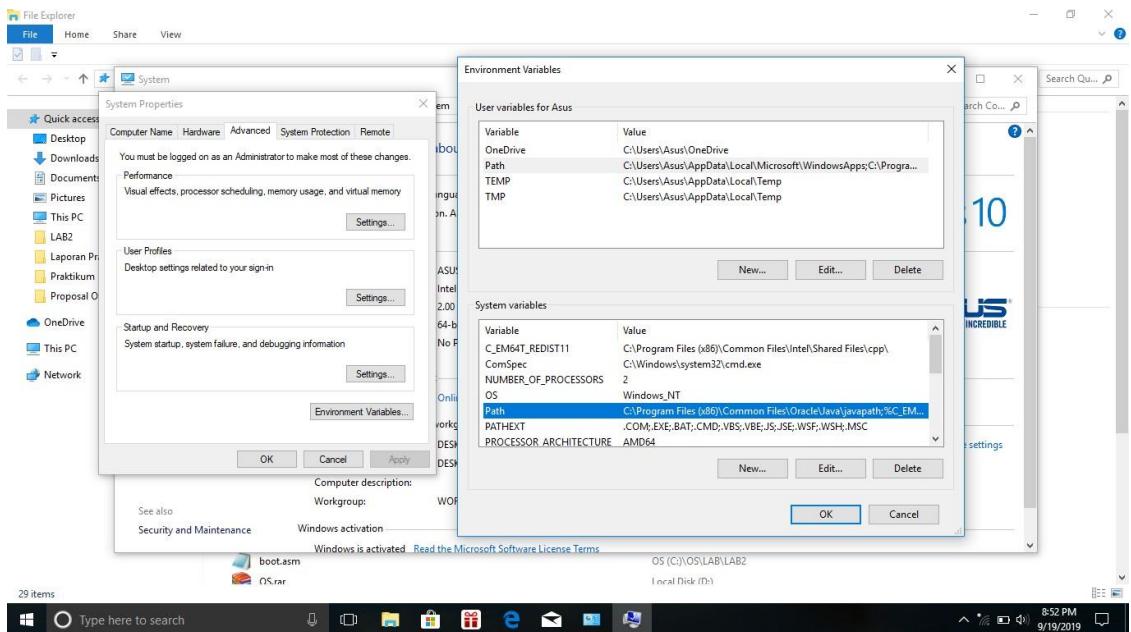
Nama : Ari wibowo

NIM : L200180056

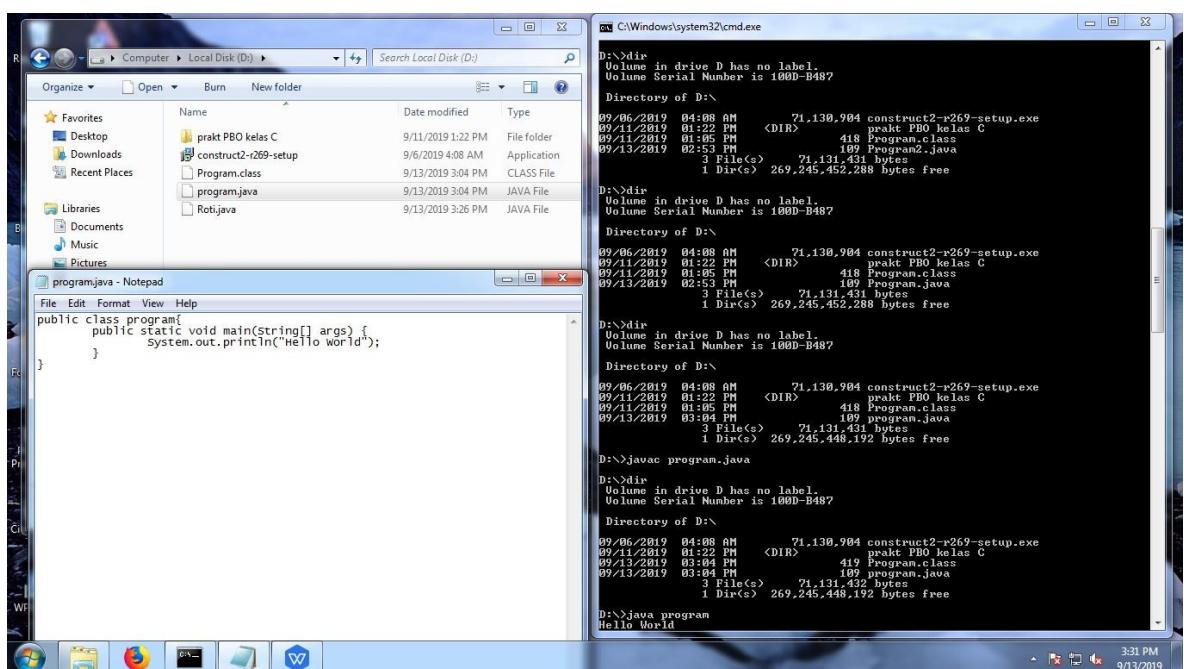
MODUL 1-12

Modul 1

Membuat Path



Hello word



Roti

```
Roti.java - Notepad
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" + "gr" +
            "Harga Roti : Rp. " + harga);
    }
}

RotiDemo.java - Notepad
public class Rotidemo{
    public static void main(String[] args) {
        Roti roti = new Roti();
        roti.beriwarna("Orange");
        roti.berirasa("stroberi");
        roti.timbangBerat(30);
        roti.hargajual(5000);
        roti.inforoti();
    }
}

C:\Windows\system32\cmd.exe
D:\>dir
Volume in drive D has no label.
Volume Serial Number is 1000-B487
Directory of D:\

09/06/2019 04:08 AM    71,130,904 construct2-r269-setup.exe
09/11/2019 01:22 PM    <DIR>          praktikum_kelas_C
09/13/2019 03:04 PM          419 Program.class
09/13/2019 03:04 PM          100 Program.java
09/13/2019 03:26 PM          539 Roti.java
09/13/2019 03:38 PM          224 RotiDemo.java
09/13/2019               5 File(s)   71,132,195 bytes
09/13/2019             269,245,448,172 bytes free

D:\>javac RotiDemo.java
D:\>java
Usage: java [-options] class [args...]
           (to execute a class)
      or  java [-options] -jar jarfile [args...]
           (to execute a jar file)
where options include:
  -d32           use a 32-bit data model if available
  -d64           use a 64-bit data model if available
  -server        to select the "server" VM
                 The default VM is server.
  -cp <class search path of directories and zip/jar files>
  -classpath <class search path of directories and zip/jar files>
             ; separated list of directories, .JAR archives,
             and .zip archives to search for class files.
  -D<name>=<value>
                 set a system property
  -verbose:<level>
                 enable verbose output
  -version       print product version and exit
  -version:<value>
                 Warning: this feature is deprecated and will be removed
                 in a future release.
                 require the specified version to run
  -showversion  print the specified version and continue
  -jre-restrict-search ! -no-jre-restrict-search
                 Warning: this feature is deprecated and will be removed
                 in a future release.
                 include/exclude user private JREs in the version search
  -? -help        print this help message
  -X              print standard options
  -ea!<packagename>...;!<classname>
  -enableassertions!<packagename>...;!<classname>
  -ea!<packagename>...;!<classname>
  -enableassertions!<packagename>...;!<classname>
  -da!<packagename>...;!<classname>
  -disableassertions!<packagename>...;!<classname>
                 disable assertions with specified granularity
  -esa ! -enableassertions
  -dza ! -disableassertions
  -agentlib:<library>[=<options>]
                 load native agent library <libraryname>, e.g., -agentlib:hprof
  -agentpath:<pathname>[=<options>]
                 load native agent library by full pathname
  -javaagent:<jar>[=<options>]
                 load Java programming language agent, see java.lang.instrument
  -splash:<imagepath>
                 show splash screen with specified image
See http://www.oracle.com/technetwork/java/javase/documentation/index.html for more details.

D:\>java RotiDemo
Roti warna : Orange
Roti rasa : Stroberi
Roti Berat : 30
Roti Harga : Rp. 50000.0
D:\>
```

```
Roti.java - Notepad
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" + "gr" +
            "Harga Roti : Rp. " + harga);
    }
}

RotiDemo.java - Notepad
public class Rotidemo{
    public static void main(String[] args) {
        Roti roti = new Roti();
        roti.beriwarna("Orange");
        roti.berirasa("stroberi");
        roti.timbangBerat(30);
        roti.hargajual(5000);
        roti.inforoti();
    }
}

C:\Windows\system32\cmd.exe
D:\>dir
Volume in drive D has no label.
Volume Serial Number is 1000-B487
Directory of D:\

09/06/2019 04:08 AM    71,130,904 construct2-r269-setup.exe
09/11/2019 01:22 PM    <DIR>          praktikum_kelas_C
09/13/2019 03:04 PM          419 Program.class
09/13/2019 03:04 PM          100 Program.java
09/13/2019 03:26 PM          539 Roti.java
09/13/2019 03:38 PM          224 RotiDemo.java
09/13/2019               5 File(s)   71,132,195 bytes
09/13/2019             269,245,448,172 bytes free

D:\>java RotiDemo
Roti warna : Orange
Roti rasa : Stroberi
Roti Berat : 30
Roti Harga : Rp. 50000.0
D:\>
```

MODUL 2

1.Roti

Roti.java - Notepad

```
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 );
    }
}
```

RotiDemo.java - Notepad

```
public class RotiDemo{
    public static void main(String[] args){
        Roti roti = new Roti();
        roti.beriWarna("putih");
        roti.beriRasa("coklat");
        roti.timbangBerat(30);
        roti.hargaJual(3000);
        roti.infoRoti();
    }
}
```

Command Prompt

```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Asus>cd..
C:\Users>cd..
C:\>D:
D:\>javac roti.java
D:\>javac RotiDemo.java
D:\>java RotiDemo
warna Roti :putih
Rasa Roti :coklat
Berat Roti :30
Harga Roti : Rp. 3000.0
D:\>
```

Page: 1 of 1 | Words: 0 | 12:49 PM 9/26/2019

2.Mobil

Mobil.java - Notepad

```
public class Mobil{
    String nama;
    String jenis;
    String warna;
    int cc;
    double harga;

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

    void beriJenis(String jenisMobil){
        jenis = jenisMobil;
    }

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

    void besarCc(double ccMobil){
        cc = ccMobil;
    }

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

    void infoMobil() {
        System.out.println(
            "Nama Mobil :" + nama + "\n" +
            "Jenis Mobil :" + jenis + "\n" +
            "Warna Mobil :" + warna + "\n" +
            "Besar CC Mobil :" + cc + "\n" +
            "Harga Mobil : Rp. " + harga + "Juta"
        );
    }
}
```

MobilDemo.java - Notepad

```
public class MobilDemo{
    public static void main(String[] args){
        Mobil mobil = new Mobil();
        mobil.beriNama("Pajero");
        mobil.beriJenis("Sport");
        mobil.beriWarna("Silver");
        mobil.besarCc(2000);
        mobil.hargaJual(500);
        mobil.infoMobil();
    }
}
```

Command Prompt

```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Asus>cd..
C:\Users>cd..
C:\>D:
D:\>javac Mobil.java
D:\>javac MobilDemo.java
D:\>java MobilDemo
Nama Mobil :Pajero
Jenis Mobil :Sport
Warna Mobil :Silver
Besar CC Mobil :2000.0
Harga Mobil : Rp. 500.0Juta
D:\>
```

Type here to search 8:44 PM 9/26/2019

3.CAR

The screenshot shows three windows side-by-side:

- Car.java - Notepad**: Contains the following Java code:

```

public class Car{
    int change;
    int speed;
    int gear;

    void ChangeCadence(int changeCar) {
        change = changeCar;
    }

    void SpeedUp(int speedCar) {
        speed = speedCar;
    }

    void ChangeGear(int gearCar) {
        gear = gearCar;
    }

    void printInfo(){
        System.out.println(
            "Cadence : " + change + "\n" +
            "SpeedUp :" + speed + "\n" +
            "changeGear :" + gear );
    }
}

```

- CarDemo.java - Notepad**: Contains the following Java code:

```

public class CarDemo{
    public static void main(String[] args) {
        Car car1 = new Car();
        Car car2 = new Car();

        car1.ChangeCadence(50);
        car1.SpeedUp(20);
        car1.ChangeGear(2);
        car1.printInfo();

        car2.ChangeCadence(30);
        car2.SpeedUp(10);
        car2.ChangeGear(1);
        car2.printInfo();
    }
}

```

- Command Prompt**: Shows the output of running the Java programs.

```

D:\>javac BungaDemo.java
D:\>java BungaDemo
Warna Bunga :Merah
Denis Bunga :Kawar
Berat Bunga :15
grHarga Bunga : Rp. 7000.0

D:\>javac Car.java
D:\>java CarDemo
Cadence : 50
SpeedUp :20
changeGear :2
Cadence : 30
SpeedUp :10
changeGear :1
D:\>

```

MODUL 3

Latihan 1

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

- Title Bar**: Modul 3 - NetBeans IDE 8.2
- Menu Bar**: File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help
- Toolbar**: Standard NetBeans toolbar icons.
- Projects Tab**: Shows a project named "Modul 3" with several source packages and files listed.
- Editor Area**: Displays the code for the `LocalVariable.java` file. The code includes comments, variable declarations, and method implementations.
- Bottom Status Bar**: Shows the date and time (10/2/2019, 24:22), and the current mode (INS).

```

/*
 * @author AriW
 */
public class LocalVariable {

    float usia = 0;
    public void hitungUsia(){

        int tahunSekarang = 2019;
        int tahunLahir = 1999;
        usia = tahunSekarang - tahunLahir;

        System.out.println("Usia saya : " + usia);
    }

    public void beratBadan(){
        float berat = 0;
        float beratLahir = 30;

        berat = beratLahir - (usia/2); //variabel usia tidak bisa dipanggil di method beratBadan()
        //karena variabel usia termasuk local variabel
        //yang hanya bisa dipanggil di method yang mendeklarasikan

        System.out.println("Berat badan saya :" + berat);
    }
}

```

Latihan 2

Modul 3 - NetBeans IDE 8.2

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

Projects Files Services

Start Page LocalVariable.java InstanceVariable.java DemoPegawai.java Pegawai.java Nilaи.java

Source History

```
8 * @author Willi
9 */
10 public class InstanceVariable {
11
12     float usia = 0;
13
14     public void hitungUsia(){
15         int tahunSekarang = 2019;
16         int tahunLahir = 1999;
17         usia = tahunSekarang - tahunLahir;
18
19         System.out.println("Usia saya : " + usia);
20     }
21
22     public void beratBadan(){
23         float berat =0;
24         float beratLahir = 30;
25
26         berat = beratLahir - (usia/2);
27         System.out.println("Berat badan saya :" + berat);
28     }
29
30 }
31
```

InstanceVariable > beratBadan > berat

24:21 11:01 PM 10/2/2019

Latihan 3

Modul 3 - NetBeans IDE 8.2

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

Projects Files Services

Source Packages <default package>

- DemoPegawai.java
- DemoVariable.java
- InstanceVariable.java
- LocalVariable.java
- MethodParameter.java
- Nilai.java
- NonVoidMethod.java
- Pegawai.java
- StaticVariable.java
- StaticVariableAccess.java

Test Packages Libraries Test Libraries

Source History

```
* @author Aribi
*/
public class Pegawai {
    String nama;
    int nip;
    double gaji;

    void beriNama(String nama){
        this.nama = nama;
    }
    void beriNip(int nip_peg){
        nip = nip_peg;
    }
    void tambahGaji(double gaji_peg){
        gaji = gaji_peg;
    }

    void cetakPegawai(){
        System.out.println(
            "Nama Pegawai : " + nama + "\n" +
            "NIP Pegawai : " + nip + "\n" +
            "Gaji Pegawai : Rp. " + gaji + "\n"
        );
    }
}
```

9:16 INS

Type here to search 11:03 PM 10/2/2019

Modul 3 - NetBeans IDE 8.2

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

Projects Files Services

Source Packages <default package>

- DemoPegawai.java
- DemoVariable.java
- InstanceVariable.java
- LocalVariable.java
- MethodParameter.java
- Nilai.java
- NonVoidMethod.java
- Pegawai.java
- StaticVariable.java
- StaticVariableAccess.java

Test Packages Libraries Test Libraries

Source History

```
public class Demoregawai {
    public static void main(String[] args){
        Pegawai pgw1 = new Pegawai();
        pgw1.beriNama("Ari");
        pgw1.beriNip(1800111222);
        pgw1.tambahGaji(3000000);
        pgw1.cetakPegawai();

        Pegawai pgw2 = new Pegawai();
        pgw2.beriNama("Andi");
        pgw2.beriNip(1800444666);
        pgw2.tambahGaji(3500000);
        pgw2.cetakPegawai();

        Pegawai pgw3 = new Pegawai();
        pgw3.beriNama("Dimas");
        pgw3.beriNip(1800997779);
        pgw3.tambahGaji(2500000);
        pgw3.cetakPegawai();

        Pegawai pgw4 = new Pegawai();
        pgw4.beriNama("Siti");
        pgw4.beriNip(1800332211);
        pgw4.tambahGaji(4000000);
        pgw4.cetakPegawai();

        Pegawai pgw5 = new Pegawai();
        pgw5.beriNama("Astrin");
        pgw5.beriNip(1800556633);
        pgw5.tambahGaji(4000000);
        pgw5.cetakPegawai();
    }
}
```

41:29 INS

Type here to search 11:05 PM 10/2/2019

Hasil dari latihan 3

The screenshot shows the NetBeans IDE interface with the title "Modul 3 - NetBeans IDE 8.2". The "Output - Modul 3 (run) x" window displays the following console output:

```
run:
Nama Pegawai : Ari
NIP Pegawai : 1800111222
Gaji Pegawai : Rp. 3000000.0

Nama Pegawai : Andi
NIP Pegawai : 1800444666
Gaji Pegawai : Rp. 3500000.0

Nama Pegawai : Dimas
NIP Pegawai : 1800997779
Gaji Pegawai : Rp. 2500000.0

Nama Pegawai : Sri
NIP Pegawai : 1800332211
Gaji Pegawai : Rp. 4000000.0

Nama Pegawai : Astrin
NIP Pegawai : 1800556633
Gaji Pegawai : Rp. 4000000.0

BUILD SUCCESSFUL (total time: 0 seconds)
```

The taskbar at the bottom shows the Microsoft Word application is running.

Tugas Pekerjaan Rumah

The screenshot shows the NetBeans IDE interface with the title "Modul 3 - NetBeans IDE 8.2". The "Source" tab of the editor window displays the following Java code:

```
11  public class Nilai {
12      double nilaiUTS;
13      double nilaiUAS;
14      double nilaiTugas;
15      double nilaiTotal;
16
17      void n_uts(double UTS){
18          nilaiUTS = UTS;
19      }
20      void n_uas(double UAS){
21          nilaiUAS = UAS;
22      }
23      void n_tug(double Tugas){
24          nilaiTugas = Tugas;
25      }
26      void cetakNilai(){
27          nilaiTotal = ((nilaiUTS + nilaiUAS + nilaiTugas)/3);
28          System.out.println(
29              "Nilai UTS : " + nilaiUTS + "\n" +
30              "Nilai UAS : " + nilaiUAS + "\n" +
31              "Nilai Tugas : " + nilaiTugas + "\n" +
32              "Nilai Total : " + nilaiTotal + "\n");
33      }
34  public static void main (String[] args){
35      Nilai nilail = new Nilai();
36      nilail.n_uts(70);
37      nilail.n_uas(60);
38      nilail.n_tug(100);
39      nilail.cetakNilai();
40  }
```

The taskbar at the bottom shows the Microsoft Word application is running.

Hasil dari latihan 3

Modul 3 - NetBeans IDE 8.2

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

Start Page LocalVariable.java InstanceVariable.java DemoPegawai.java Pegawai.java Nilai.java

Output - Modul 3 (run)

```
run:
Nilai UTS : 70.0
Nilai UAS : 60.0
Nilai Tugas : 100.0
Nilai Total : 76.66666666666667

BUILD SUCCESSFUL (total time: 0 seconds)
```

38:25 11:10 PM 10/2/2019

MODUL 4

Private Modifier

Modul4 - NetBeans IDE 8.2

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

...ave Modul4.java privatemodifier.java defaultmodifier.java protectedmodifier.java demoprivatemodifier.java demodefaultmodifier.java publi...

Source History

```
5  /*
6   * package modul.pkg4;
7
8   */
9   /*
10  * @author Personal
11  */
12 public class privatemodifier {
13     private String nama;
14     private int umur;
15
16     private void printInfo() {
17         System.out.println("private modifier");
18     }
19
20 }
21
```

modul.pkg4.privatemodifier > printInfo >

Output - Modul4 (run)

```
run:
BUILD SUCCESSFUL (total time: 1 second)
```

16:12 15:27 ENG 04/10/2019

Hasil dalam Hashan 3

```
/*
 * 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 modul.pkg4;

/**
 *
 * @author Personal
 */
public class demoprivatemodifier {
    public static void main(String[] args) {
        privatemodifier C = new privatemodifier();
        C.printInfo();
    }
}
```

Output - Modul.4 (run) x

```
run:
Exception in thread "main" java.lang.RuntimeException: Uncompilable source code - printInfo() has private access in modul.pkg4.privatemodifier
    at modul.pkg4.demoprivatemodifier.main(demoprivatemodifier.java:15)
C:\Users\Personal\AppData\Local\NetBeans\Cache\8.2\executor-snippets\run.xml:53: Java returned: 1
BUILD FAILED (total time: 0 seconds)
```

Build of Modul.4 (run) failed.

Default Modifier

```
/*
 * 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 modul.pkg4;

class DefaultModifier {
    int a;
    int b;
    int c;
    public DefaultModifier(int a, int b) {
        this.a = a;
        this.b = b;
    }
    void jumlah() {
        c = a + b;
        System.out.println(c);
    }
}
```

Output - Modul.4 (run) x

```
run:
BUILD SUCCESSFUL (total time: 1 second)
```

Finished building Modul.4 (run).

- Hasil

Modul.4 - NetBeans IDE 8.2

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

publicmodifier.java

Projects Files Services

JavaApplication9 JavaApplication9.java

Modul.4 Libraries

Source Packages <default package>

publicmodifier.java modul.pkg4 Modul4.java defaultmodifier.java demodefaultmodifier.java demoprivatemodifier.java demoprotectedmodifier.java privatemodifier.java protectedmodifier.java

Navigator Members <empty>

demodefaultmodifier main(String[] args)

Source History

defaultmodifier.java protectedmodifier.java demoprivatemodifier.java demodefaultmodifier.java publicmodifier.java demoprotectedmodifier.java demopublicmodifier.java

/* 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.

*/

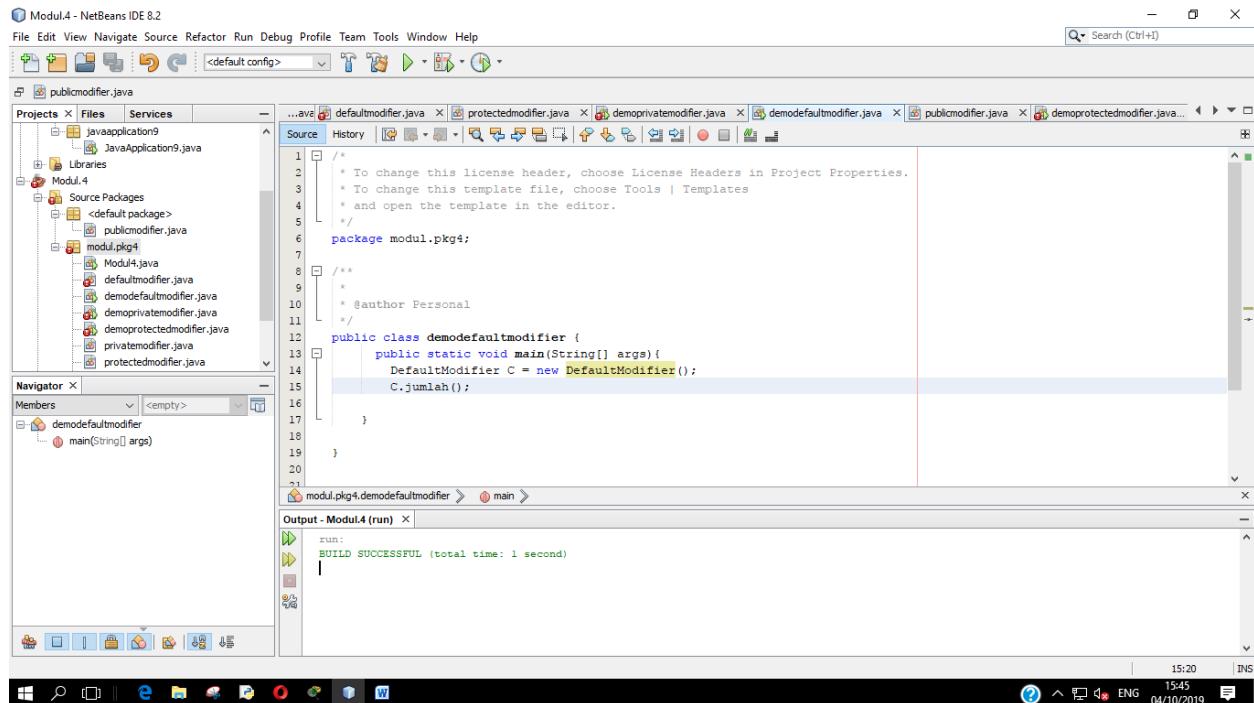
```
package modul.pkg4;  
  
/**  
 * @author Personal  
 */  
public class demodefaultmodifier {  
    public static void main(String[] args){  
        DefaultModifier C = new DefaultModifier();  
        C.jumlah();  
    }  
}
```

modul.pkg4.demodefaultmodifier > main

Output - Modul.4 (run) x

run:
BUILD SUCCESSFUL (total time: 1 second)

15:20 04/10/2019



Protected Modifier

Modul.4 - NetBeans IDE 8.2

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

protectedmodifier.java

Projects Files Services

JavaApplication9 JavaApplication9.java

Modul.4 Libraries

Source Packages <default package>

publicmodifier.java modul.pkg4 Modul4.java defaultmodifier.java demodefaultmodifier.java demoprivatemodifier.java demoprotectedmodifier.java demopublicmodifier.java privatemodifier.java

Navigator Members <empty>

protectedmodifier.java printInfo sendMessage

Source History

protectedmodifier.java demoprivatemodifier.java demodefaultmodifier.java publicmodifier.java demoprotectedmodifier.java demopublicmodifier.java

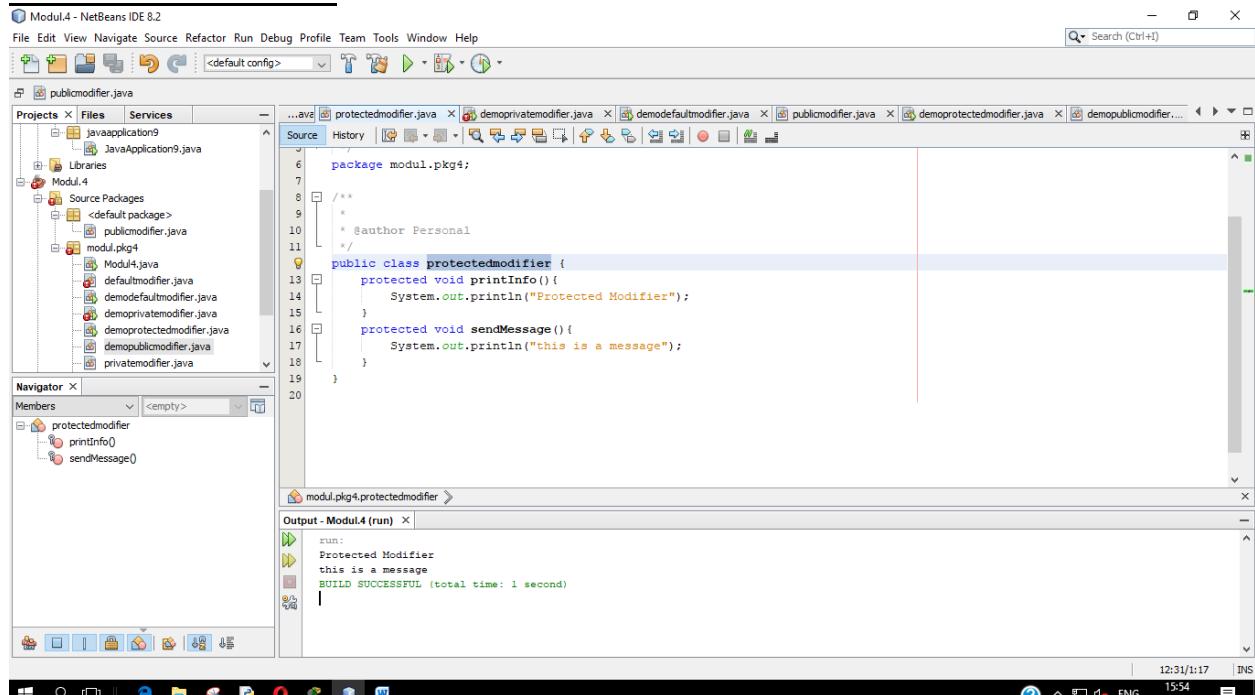
```
package modul.pkg4;  
  
/*  
 * @author Personal  
 */  
public class protectedmodifier {  
    protected void printInfo(){  
        System.out.println("Protected Modifier");  
    }  
    protected void sendMessage(){  
        System.out.println("this is a message");  
    }  
}
```

modul.pkg4.protectedmodifier >

Output - Modul.4 (run) x

run:
Protected Modifier
this is a message
BUILD SUCCESSFUL (total time: 1 second)

12:31/1:17 15:54 04/10/2019



- Hasil

Modul4 - NetBeans IDE 8.2

```

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.pkg4;
7
8 /**
9  *
10 * @author Personal
11 */
12 public class demoprotectedmodifier {
13     public static void main(String[] args) {
14         protectedmodifier ant = new protectedmodifier();
15         ant.printInfo();
16         ant.sendMessage();
17     }
18 }

```

Output - Modul4 (run) :

```

run:
Protected Modifier
this is a message
BUILD SUCCESSFUL (total time: 1 second)

```

Public Modifier Kali

NetBeans IDE 8.2

```

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-32
11 */
12 public class publicModifier {
13     public int a = 2;
14     public int b = 5;
15     public int c = 9;
16     public void kali() {
17         int d = a*b*c;
18         System.out.println("Hasil kali = " + d);
19     }
20 }

```

Output - modul4 (run) :

```

run:
Hasil kali = 90
BUILD SUCCESSFUL (total time: 1 second)

```

- Hasil Kali

modul4 - NetBeans IDE 8.2

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

Projects Files Services <default config>

modul4

- Source Packages
 - DefaultModifier
 - demoDefaultModifier.java
- modul4
 - Modul4.java
 - defaultModifier.java
 - defaultModifierDemo.java
 - demoPrivateModifier.java
 - demoPublicModifier.java
 - privateModifier.java
 - protectedModifier.java
 - publicModifier.java
- Test Packages
- Libraries
- Test Libraries

Navigator Members <empty>

```

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-32
11  */
12 public class demoPublicModifier {
13     public static void main(String[] args){
14         publicModifier pp = new publicModifier();
15         pp.kali();
16     }
17 }
18
19

```

Output - modul4 (run) :

```

RUN:
Hasil kali = 90
BUILD SUCCESSFUL (total time: 0 seconds)

```

15:16 3:40 PM 10/4/2019

Tambah,Kurang,Bagi dan Rata-Rata

NetBeans IDE 8.2

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

Projects Files Services <default config>

modul4

- Source Packages
 - DefaultModifier
 - demoDefaultModifier.java
- modul4
 - Modul4.java
 - defaultModifier.java
 - defaultModifierDemo.java
 - demoPrivateModifier.java
 - demoPublicModifier.java
 - privateModifier.java
 - protectedModifier.java
 - publicModifier.java
- Test Packages
- Libraries
- Test Libraries

Navigator Members <empty>

```

8 /**
9  * @author LABRPL-32
10 */
11
12 public class publicModifier {
13     public int a = 2;
14     public int b = 5;
15     public int c = 9;
16     public void kali(){
17         int d = a*b*c;
18         System.out.println("Hasil kali = " + d);
19     }
20     public void tambah(){
21         int d = a+b+c;
22         System.out.println("Hasil tambah = " + d);
23     }
24     public void kurang(){
25         int d = a-b-c;
26         System.out.println("Hasil kurang = " + d);
27     }
28     public void bagi(){
29         int d = a/b/c;
30         System.out.println("Hasil bagi = " + d);
31     }
32     public void ratarata(){
33         int d = (a+b+c)/3;
34         System.out.println("Hasil Rata rata = " + d);
35     }
36 }

```

modul4.publicModifier > ratarata >

3:44 3:45 PM 10/4/2019

- Hasil Tambah,Kurang,Bagi dan Rata-Rata

modul4 - NetBeans IDE 8.2

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

Projects Files Services

modul4

Source Packages

- DefaultModifier
- demoDefaultModifier.java

modul4

- Modul4.java
- defaultModifier.java
- defaultModifierDemo.java
- demoPrivateModifier.java
- demoPublicModifier.java
- privateModifier.java
- protectedModifier.java
- publicModifier.java

Test Packages

Libraries

Test Libraries

Navigator

Members demoPublicModifier <empty>

demoPublicModifier main(String[] args)

Source History

...java publicModifier.java demoPrivateModifier.java defaultModifierDemo.java demoDefaultModifier.java demoPublicModifier.java

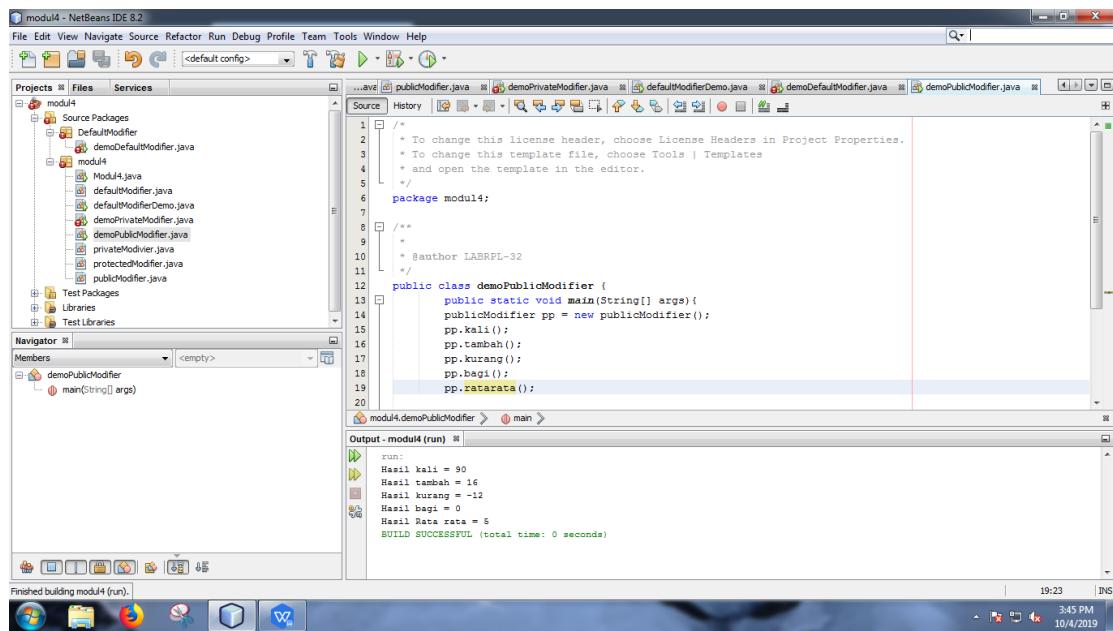
1 /*
2 * To change this license header, choose License Headers in Project Properties.
3 * To change this template file, choose Tools | Templates
4 * and open the template in the editor.
5 */
6 package modul4;
7
8 /**
9 *
10 * @author LABRPL-32
11 */
12 public class demoPublicModifier {
13 public static void main(String[] args){
14 publicModifier pp = new publicModifier();
15 pp.kali();
16 pp.tambah();
17 pp.kurang();
18 pp.bagi();
19 pp.ratarata();
20 }
21 }

modul4.demoPublicModifier > main

Output - modul4 (run)

RUN:
Hasil kali = 90
Hasil tambah = 16
Hasil kurang = -12
Hasil bagi = 0
Hasil Rata rata = 6
BUILD SUCCESSFUL (total time: 0 seconds)

19:23 3:45 PM 10/4/2019



MODUL 5

Modul5 - NetBeans IDE 8.2

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

Projects Files Services

modul5

Source Packages

- <default package>
- Buku.java
- Constructor.java
- ConstructorAccess.java
- DefaultAccess.java
- DemoBuku.java
- DemoTugas.java
- Lathan1.java
- LathanAccess.java
- ParamConstructor.java
- Tugas.java

Test Packages

Libraries

Test Libraries

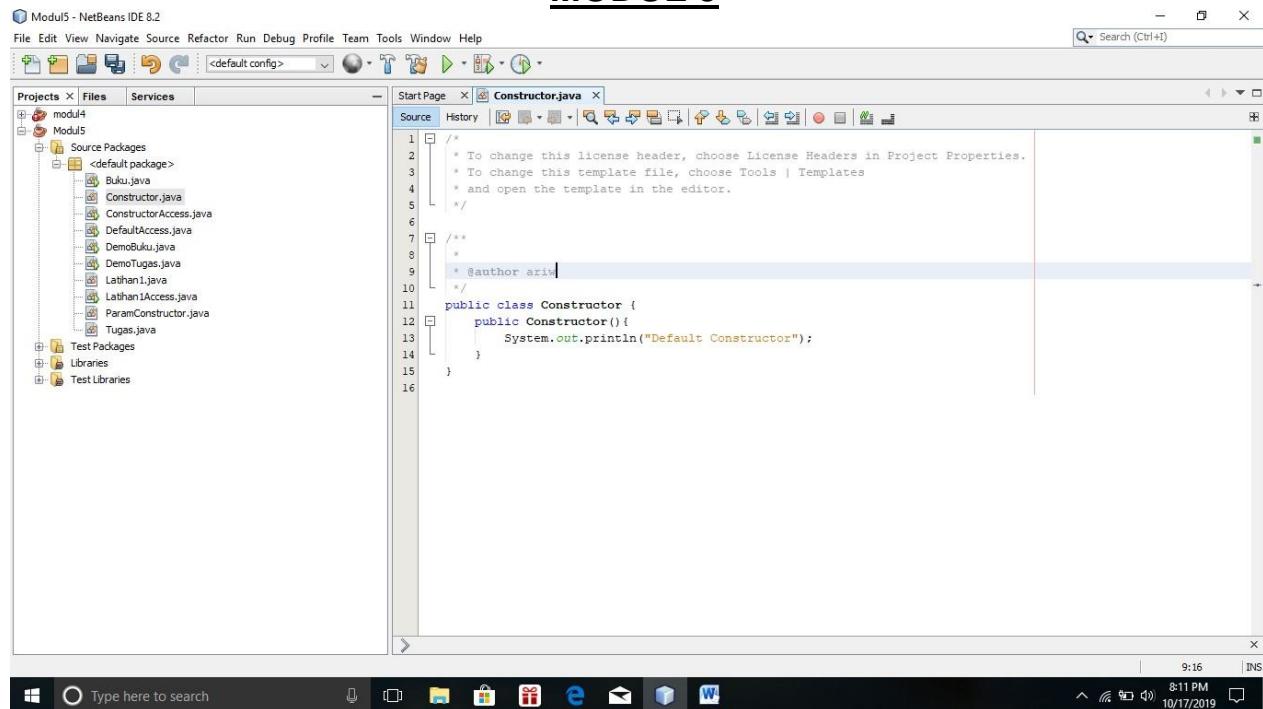
Start Page

Constructor.java

Source History

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 /**
8 *
9 * @author aris|
10 */
11 public class Constructor {
12 public Constructor(){
13 System.out.println("Default Constructor");
14 }
15 }

9:16 8:11 PM 10/17/2019



Hasil dari latihan 3

Modul5 - NetBeans IDE 8.2

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

Projects Source Packages Files Services

modul4

Modul5

Source Packages <default package>

- Buku.java
- Constructor.java
- ConstructorAccess.java
- DefaultAccess.java
- DemoBuku.java
- DemoTugas.java
- Latihan1.java
- Latihan1Access.java
- ParamConstructor.java
- Tugas.java

Test Packages Libraries Test Libraries

Start Page Constructor.java DefaultAccess.java ConstructorAccess.java ParamConstructor.java

Source History

```
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 /**  
8  *  
9  * @author aris  
*/  
10  
11 public class DefaultAccess {  
12     public static void main(String[] args){  
13         Constructor cons = new Constructor();  
14     }  
15 }  
16
```

Output - Modul5 (run) x

```
run:  
Default Constructor  
BUILD SUCCESSFUL (total time: 3 seconds)
```

9:16 8:15 PM 10/17/2019

Modul5 - NetBeans IDE 8.2

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

Projects Files Services Start Page Constructor.java DefaultAccess.java ConstructorAccess.java ParamConstructor.java

modul4 Modul5

Source Packages <default package>

Buku.java Constructor.java ConstructorAccess.java DefaultAccess.java DemoBuku.java DemoTugas.java Lathen1.java Lathen1Access.java ParamConstructor.java Tugas.java

Test Packages Libraries Test Libraries

```
8 * @author ariw
9
10 public class ParamConstructor {
11     String nama, nim;
12     int semester;
13
14     public ParamConstructor(String nama, int semester, String nim){
15         this.nama = nama;
16         this.semester = semester;
17         this.nim = nim;
18     }
19
20     public void info(){
21         System.out.println("Nama : " + nama + "\n" +
22                           "NIM : " + nim + "\n" +
23                           "Semester : " + semester + "\n");
24     }
25 }
26
27
```

9:16 8:16 PM 10/17/2019 INS

Modul5 - NetBeans IDE 8.2

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

Projects Files Services Start Page Constructor.java DefaultAccess.java ConstructorAccess.java ParamConstructor.java

modul4 Modul5

Source Packages <default package>

Buku.java Constructor.java ConstructorAccess.java DefaultAccess.java DemoBuku.java DemoTugas.java Lathen1.java Lathen1Access.java ParamConstructor.java Tugas.java

Test Packages Libraries Test Libraries

```
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 /**
8  *
9  * @author ariw
10 */
11 public class ConstructorAccess {
12     public static void main(String[] args){
13         ParamConstructor pc = new ParamConstructor("ariw", 3, "L200180054");
14         pc.info();
15     }
16 }
```

13:54 8:18 PM 10/17/2019 INS

Modul5 - NetBeans IDE 8.2

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

Projects Files Services

modul4 Modul5

Source Packages <default package>

- Buku.java
- Constructor.java
- ConstructorAccess.java
- DefaultAccess.java
- DemoBuku.java
- DemoTugas.java
- Latihan1.java
- Latihan1Access.java
- ParamConstructor.java
- Tugas.java

Test Packages Libraries Test Libraries

Source History

```
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 /**
8 *
9 * @author ariw
10 */
11 public class Latihan1 {
12     String nama = "ari wibowo";
13     String nim = "L200180056";
14     String alamat = "PWDD";
15
16     Latihan1(){
17         System.out.println("Nama : " + nama + "\n" +
18                             "NIM : " + nim + "\n" +
19                             "Alamat : " + alamat + "\n");
20     }
21 }
22
```

Lathian1 nim

13:29 8:21 PM 10/17/2019

Type here to search

Modul5 - NetBeans IDE 8.2

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

Projects Files Services

modul4 Modul5

Source Packages <default package>

- Buku.java
- Constructor.java
- ConstructorAccess.java
- DefaultAccess.java
- DemoBuku.java
- DemoTugas.java
- Latihan1.java
- Latihan1Access.java
- ParamConstructor.java
- Tugas.java

Test Packages Libraries Test Libraries

Source History

```
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 /**
8 *
9 * @author ariw
10 */
11 public class Latihan1Access {
12     public static void main(String[] args){
13         Latihan1 lti = new Latihan1();
14     }
15 }
16
```

Output - Modul5 (run #2)

```
run:
Default Constructor
BUILD SUCCESSFUL (total time: 1 second)
```

9:16 8:24 PM 10/17/2019

Type here to search

Modul5 - NetBeans IDE 8.2

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

Projects Files Services

modul4 Modul5

Source Packages <default package>

Buku.java Constructor.java ConstructorAccess.java DefaultAccess.java DemoBuku.java DemoTugas.java Lathan1.java Lathan1Access.java ParamConstructor.java Tugas.java

Test Packages Libraries Test Libraries

Source History

```
23
24     Buku(String judulBuku, String namaPengarang, int tahunTerbit){
25         this(judulBuku, namaPengarang);
26         System.out.println("Tahun Terbit : " + tahunTerbit);
27     }
28
29
30     Buku(String judulBuku, String namaPengarang, int tahunTerbit, int cetakanKe){
31         this(judulBuku, namaPengarang, tahunTerbit);
32         System.out.println("Cetakan Ke : " + cetakanKe);
33     }
34
35     Buku(String judulBuku, String namaPengarang, int tahunTerbit, int cetakanKe, double hargaJual){
36         this(judulBuku, namaPengarang, tahunTerbit, cetakanKe);
37         System.out.println("Harga Jual : Rp. " + hargaJual + "\n");
38     }
39
40     public static void main(String[] args){
41         Buku bk1 = new Buku("PBO", "Dyah Priyawati", 2019, 1, 60000);
42         Buku bk2 = new Buku("Leskar Pelangi", "Andrea", 2015, 1, 70000);
43         Buku bk3 = new Buku("Dear Nathan", "Erisca", 2017, 1, 62000);
44         Buku bk4 = new Buku("Cinta Brontosaurus", "Raditya Dika", 2015, 1, 77000);
45         Buku bk5 = new Buku("Menembus Impian", "Abidah", 2017, 2, 25000);
46         Buku bk6 = new Buku("Merpati Biru", "Ahmad", 2018, 1, 43000);
47         Buku bk7 = new Buku("Kepompong", "Indah", 2006, 1, 59000);
48         Buku bk8 = new Buku("Kupu-kupu", "Putut", 2015, 1, 50000);
49         Buku bk9 = new Buku("Sepucuk Surat", "Susanto", 2019, 1, 80000);
50         Buku bk10 = new Buku("Surat Dari Kota", "Susanto", 2019, 1, 90000);
51     }
52 }
```

Type here to search 8:25 PM 10/17/2019

Modul5 - NetBeans IDE 8.2

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

Projects Files Services

modul4 Modul5

Source Packages <default package>

Buku.java Constructor.java ConstructorAccess.java DefaultAccess.java DemoBuku.java DemoTugas.java Lathan1.java Lathan1Access.java ParamConstructor.java Tugas.java

Test Packages Libraries Test Libraries

Source History

```
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 /**
8  *
9  * @author arr
10 */
11 public class DemoBuku {
12     public static void main(String[] args) {
13     }
14 }
15
16 }
```

Output - Modul5 (run) x

```
run:
Default Constructor
BUILD SUCCESSFUL (total time: 1 second)
```

Type here to search 8:27 PM 10/17/2019

Modul5 - NetBeans IDE 8.2

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

Projects Files Services

modul4 Modul5

Source Packages <default package>

- Buku.java
- Constructor.java
- ConstructorAccess.java
- DefaultAccess.java
- DemoBuku.java
- DemoTugas.java
- Lathan1.java
- Lathan1Access.java
- Tugas.java

Test Packages Libraries Test Libraries

Source History

```
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  /**  
8  * @author Win 8.1  
9  */  
10 public class DemoTugas {  
11     public static void main(String[] args){  
12         Tugas tg = new Tugas("ari wibowo", "L200180056", 2018);  
13     }  
14 }  
15  
16 }  
17
```

DemoTugas > main > tg >

Output - Modul5 (run) X

```
run:  
Default Constructor  
BUILD SUCCESSFUL (total time: 1 second)
```

13:41 INS

Type here to search 8:29 PM 10/17/2019

Modul5 - NetBeans IDE 8.2

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

Projects Files Services

modul4 Modul5

Source Packages <default package>

- Buku.java
- Constructor.java
- ConstructorAccess.java
- DefaultAccess.java
- DemoBuku.java
- DemoTugas.java
- Lathan1.java
- Lathan1Access.java
- ParamConstructor.java
- Tugas.java

Test Packages Libraries Test Libraries

Source History

```
6  
7  /**  
8  * @author Win 8.1  
9  */  
10 public class Tugas {  
11     public Tugas(){  
12         System.out.println("Selamat Datang Di Kelas C Mata Kuliah OOP");  
13     }  
14     public Tugas(String nama, String nim, int angkatan){  
15         this();  
16         System.out.println("Selamat Bergabung" + "\n" +  
17             "Nama : " + nama + "\n" +  
18             "NIM : " + nim + "\n" +  
19             "Angkatan" + angkatan +"\n");  
20     }  
21 }  
22  
23 }  
24 >
```

Output - Modul5 (run) X

```
run:  
Default Constructor  
BUILD SUCCESSFUL (total time: 1 second)
```

1:1 INS

Type here to search 8:31 PM 10/17/2019

Modul 6

1.kendaraan

inheritance - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X

Services

Source Packages

inheritance1

- A.java
- B.java
- C.java
- Kendaraan.java
- Mobil.java
- Pegawai.java
- Pesawat.java
- Programmer.java
- Teknisi.java
- bangundatar.java
- inheritanceTest.java
- mainKendaraan.java
- persegi.java
- persegipanjang.java
- segitiga.java
- segitigasamakali.java
- segitigasamasasi.java

Files

Test Packages

Libraries

Test Libraries

modul4

Modul5

tugasPBO

Source History

```
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 inheritance1;  
7  
8 /*  
9  *  
10  * @author LABRPL-13  
11 */  
12 public class Kendaraan {  
13     String jenis = "Mobil";  
14     String warna = "Putih";  
15     int roda = 4;  
16 }  
17 }  
18 }
```

18:1

10:02 PM 11/14/2019

2.Mobil

inheritance - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X

Services

Source Packages

inheritance1

- A.java
- B.java
- C.java
- Kendaraan.java
- Mobil.java
- Pegawai.java
- Pesawat.java
- Programmer.java
- Teknisi.java
- bangundatar.java
- inheritanceTest.java
- mainKendaraan.java
- persegi.java
- persegipanjang.java
- segitiga.java
- segitigasamakali.java
- segitigasamasasi.java

Files

Test Packages

Libraries

Test Libraries

modul4

Modul5

tugasPBO

Source History

```
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 inheritance1;  
7  
8 public class Mobil extends Kendaraan {  
9     String jenis = "Mobil";  
10    int jumlahkursi = 6;  
11 }  
12 }  
13 }  
14 }
```

8:1

10:02 PM 11/14/2019

3.Pesawat

inheritance - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X

Services

Source Packages

Files

...ava persegiPanjang.java segitiga.java segitigasamakai.java segitigasamasasi.java Kendaraan.java Mobil.java Pesawat.java

Source History

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 inheritance1;

6

7 /*

8 *

9 * @author LABRPL-13

10 */

11 public class Pesawat extends Kendaraan{

12 String jenis = "Pesawat";

13 int jumlahPenumpang = 200;

14 }

15

16

Type here to search

10:03 PM 11/14/2019

Hasil

inheritance - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X

Services

Source Packages

Files

...ava segitigasamakai.java segitigasamasasi.java Kendaraan.java Mobil.java Pesawat.java inheritanceTest.java mainKendaraan.java

Source History

8

9 public class mainKendaraan {

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

11 String data;

12 Mobil m = new Mobil();

13 System.out.println(m.jenis);

14 System.out.println(m.warna);

15 System.out.println(m.roda);

16 System.out.println(m.jumlahKursi);

17

18 Pesawat p = new Pesawat();

19 System.out.println(p.jenis);

20 System.out.println(p.warna);

21 System.out.println(p.roda);

22 System.out.println(p.jumlahPenumpang);

23

24 Kendaraan k = new Kendaraan();

25 System.out.println(k.jenis);

Output - inheritance (run)

Mobil
Putih
4
6
Pesawat
Putih
4
200
Mobil
Putih
4
BUILD SUCCESSFUL (total time: 1 second)

Output

Type here to search

10:04 PM 11/14/2019

Modul 7

modul7 - NetBeans IDE 8.2

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

Projects Files Services

modul7

Source Packages <default package>

- KaryawanDemo.java
- Manager.java
- karyawan.java

modul7

Test Packages

Libraries

Test Libraries

Start Page History

Source Search (Ctrl+I)

7 */**
8 *
9 * @author LABRPL
10 */
11 public class karyawan {
12 private String nama ;
13 private float gaji ;
14 private int usia ;
15
16 public String getNama () {
17 return nama ;
18 }
19 public void setNama (String nama) {
20 this.nama = nama ;
21 }
22 public float getGaji () {
23 return gaji ;
24 }
25 public void setGaji (float gaji) {
26 this.gaji = gaji ;
27 }
28 public int getUsia () {
29 return usia ;
30 }
31 public void setUsia(int usia) {
32 this.usia = usia ;
33 }
34 }

Navigator Members

karyawan

- getGaji : float
- getNama : String
- getUsia : int
- setGaji(float gaji)
- setHama(String name)
- setUsia(int usia)
- gaji : float
- name : String
- usia : int

karyawan

Output - modul7 (run) *

- Ari
- 10000.0
- 21
- 7.5
- 20000.0

BUILD SUCCESSFUL (total time: 0 seconds)

24:1 15:24 15/11/2019

modul7 - NetBeans IDE 8.2

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

Projects Files Services

modul7

Source Packages <default package>

- KaryawanDemo.java
- Manager.java
- karyawan.java

modul7

Test Packages

Libraries

Test Libraries

Start Page History

Source Search (Ctrl+I)

9 */**
10 * @author LABRPL
11 */
12 public class KaryawanDemo {
13 public static void main(String[] args) {
14 Manager m1 = new Manager();
15 m1.setNama("Ari");
16 System.out.println(m1.getNama());
17
18 Manager m2= new Manager();
19 m2.setGaji(10000);
20 System.out.println(m2.getGaji());
21
22 Manager m3= new Manager();
23 m3.setUsia(21);
24 System.out.println(m3.getUsia());
25
26 Manager m4 = new Manager();
27 System.out.println(m4.jamKerja());
28
29 Manager m5 = new Manager();
30 m5.setGaji(10000);
31 m5.getGaji();
32 System.out.println(m5.getGajiManager());
33 }
34 }

main - Navigator Members

KaryawanDemo

- main(String[] args)

KaryawanDemo > main >

Output - modul7 (run) *

- Ari
- 10000.0
- 21
- 7.5
- 20000.0

BUILD SUCCESSFUL (total time: 0 seconds)

32:6 15:24 15/11/2019

modul7 - NetBeans IDE 8.2

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

Projects Files Services

modul7

Source Packages <default package>

- KaryawanDemo.java
- Manager.java
- karyawan.java

modul7

modul7

Test Packages

Libraries

Test Libraries

Start Page History <default config> Search (Ctrl+I)

Source KaryawanDemo.java Manager.java karyawan.java KaryawanDemo.java

```
9  * @author LABREL
10 /*
11  public static void main(String[] args) {
12      Manager m1= new Manager();
13      m1.setNama("Ari");
14      System.out.println(m1.getNama());
15
16      Manager m2= new Manager();
17      m2.setGaji(10000);
18      System.out.println(m2.getGaji());
19
20      Manager m3= new Manager();
21      m3.setUsia(21);
22      System.out.println(m3.getUsia());
23
24      Manager m4 = new Manager();
25      m4.setjamKerja(8.5);
26      System.out.println(m4.jamKerja());
27
28      Manager m5 = new Manager();
29      m5.setGaji(10000);
30      m5.getGaji();
31      System.out.println(m5.getGajiManager());
32  }
33
34 }
35 }
```

KaryawanDemo > main >

Output - modul7 (run) *

```
Ari
10000.0
21
8.5
20000.0
BUILD SUCCESSFUL (total time: 0 seconds)
```

26:30 15/11/2019

Windows Taskbar: File Explorer, File Manager, Firefox, FileZilla, WinRAR, WinZip, Microsoft Edge

modul7 - NetBeans IDE 8.2

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

Projects Files Services

modul7

Source Packages <default package>

- KaryawanDemo.java
- Manager.java
- karyawan.java

modul7

modul7

Test Packages

Libraries

Test Libraries

Start Page History <default config> Search (Ctrl+I)

Source Modul7.java karyawan.java KaryawanDemo.java Manager.java

```
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 /**
8  *
9  * @author LABREL
10 */
11 public class Manager extends karyawan{
12     private float jamKerja = 7.5f;
13
14     public float jamKerja() {
15         return jamKerja;
16     }
17
18     public float getGajiManager() {
19         return getGaji() * 2;
20     }
21 }
22 }
```

getGajiManager - Navigator *

Members

- Manager :: karyawan
- getGajiManager(): float
- jamKerja(): float
- jamKerja: float

Manager > getGajiManager >

Output - modul7 (run) *

```
Ari
10000.0
21
7.5
20000.0
BUILD SUCCESSFUL (total time: 0 seconds)
```

19:30 15/11/2019

Windows Taskbar: File Explorer, File Manager, Firefox, FileZilla, WinRAR, WinZip, Microsoft Edge

modul7 - NetBeans IDE 8.2

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

Projects Files Services

modul7

Source Packages <default package>

- KaryawanDemo.java
- Manager.java
- karyawan.java
- modul7
- Test Packages
- Libraries
- Test Libraries

Start Page Modul7.java karyawan.java KaryawanDemo.java Manager.java

Source History

```

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 /**
8 *
9 * @author LABRPL
10 */
11 public class Manager extends karyawan{
12     private float jamKerja = 7.5f;
13
14     public float jamKerja() {
15         return jamKerja;
16     }
17
18     public void setJamKerja(float jamKerja){
19         this.jamKerja = jamKerja;
20     }
21
22     public float getGajiManager() {
23         return getGaji() * 2;
24     }
25
26 }
```

Manager > setJamKerja

Output - modul7 (run) *

```

Ari
10000.0
21
8.8
20000.0
BUILD SUCCESSFUL (total time: 0 seconds)
```

18:15 15:31 15/11/2019 INS

Modul 8

1.anjing

Modul_8 - NetBeans IDE 8.2

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

Projects Services Files

Interface

Modul_8

Source Packages <default package>

- Anjing.java
- Bank.java
- BankDemo.java
- BankPasar.java
- BankPribadi.java
- BankSyariah.java
- BankUmum.java
- Kucing.java
- TestPolymorphism.java
- pet.java

Test Packages

Libraries

Test Libraries

modul10

PBO

...age Anjing.java Bank.java BankDemo.java BankPasar.java BankPribadi.java BankSyariah.java BankUmum.java

Source History

```

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 /**
8 *
9 * @author Asus
10 */
11 public class Anjing extends pet{
12     public String perilaku(){
13         return "Menyukai Daging dan Tulang";
14     }
15     public String suara(){
16         return "Guk..Guk..Guk";
17     }
18 }
19 
```

Output - Modul_8 (run) *

```

>>
```

4Ks 88x 0Ks

Type here to search

R ENG US 4:25 AM 12/30/2019

2.bank

Modul_8 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects Services Files

Anjing.java Bank.java BankDemo.java BankPasar.java BankPribadi.java BankSiarah.java BankUmum.java

Source History

```

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 /**
8 *
9 * @author Asus
10 */
11 public class Bank {
12     protected int rasioBunga() {
13         return 5;
14     }
15 }
16

```

Output - Modul_8 (run) >>

1.3KiB 89%

1:1 INS

Type here to search

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

Search (Ctrl+F)

Projects Services Files

Anjing.java Bank.java BankDemo.java BankPasar.java BankPribadi.java BankSiarah.java BankUmum.java

Source History

```

6 /**
7 *
8 * @author Asus
9 */
10 public class BankDemo {
11     public static void main(String[] args) {
12         Bank bpr = new BankPribadi();
13         Bank bu = new BankUmum();
14         Bank bp = new BankPasar();
15         Bank bs = new BankSiarah();
16
17         System.out.println(
18             "Bank Pribadi :" + bpr.rasioBunga() +"\n"+
19             "Bank Umum :" + bu.rasioBunga() +"\n"+
20             "Bank Pasar :" + bp.rasioBunga() +"\n"+
21             "Bank Syariah :" + bs.rasioBunga()
22         );
23         BankUmum bkper = new BankPasar();
24         BankUmum bksyr = new BankSiarah();
25
26         System.out.println(
27             "Bank Pasar :" + bkper.rasioBunga() +"\n"+
28             "Bank Syariah :" + bksyr.rasioBunga()
29         );
30     }
31 }
32

```

Output - Modul_8 (run) >>

0.1KiB 88%

33:1 INS

4.bank pasar

Modul_8 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects Services Files

Modul_8

Anjing.java Bank.java BankDemo.java BankPasar.java BankPribadi.java BankSyariah.java BankUmum.java

Source Packages <default package>

Anjing.java Bank.java BankDemo.java BankPasar.java BankPribadi.java BankSyariah.java BankUmum.java Kucing.java TestPolymorphism.java pet.java

Test Packages

Libraries

modul10

PBO

Source History

```
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 /**
8 *
9 * @author Asus
10 */
11 public class BankPasar extends BankUmum {
12     protected int rasioBunga(){
13         return 3;
14     }
15 }
```

Output - Modul_8 (run) >>

4.4KiB 86%

Type here to search

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

Search (Ctrl+F)

Projects Services Files

Modul_8

Anjing.java Bank.java BankDemo.java BankPasar.java BankPribadi.java BankSyariah.java BankUmum.java

Source Packages <default package>

Anjing.java Bank.java BankDemo.java BankPasar.java BankPribadi.java BankSyariah.java BankUmum.java Kucing.java TestPolymorphism.java pet.java

Test Packages

Libraries

modul10

PBO

Source History

```
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 /**
8 *
9 * @author Asus
10 */
11 public class BankPribadi extends Bank {
12     protected int rasioBunga(){
13         return 7;
14     }
15 }
```

Output - Modul_8 (run) >>

1.2KiB 85%

6.bank syariah

Modul_8 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects Services Files

...java Anjing.java X Bank.java X BankDemo.java X BankPasar.java X BankPribadi.java X BankSyariah.java X BankUmum.java X

Source History

```
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 /**
8 *
9 * @author Asus
10 */
11 public class BankSyariah extends BankUmum{
12     protected int rasioBunga(){
13         return 0;
14     }
15 }
```

Output - Modul_8 (run) >>

1.3KiB 87%

0.2KiB

1:1 INS



7.bank umum

Modul_8 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects Services Files

...java Bank.java X BankDemo.java X BankPasar.java X BankPribadi.java X BankSyariah.java X BankUmum.java X Kucing.java...

Source History

```
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 /**
8 *
9 * @author Asus
10 */
11 public class BankUmum extends Bank{
12     protected int rasioBunga(){
13         return 9;
14     }
15 }
```

Output - Modul_8 (run) >>

7.1KiB 88%

0.0KiB

1:1 INS



8.kucing

Modul_8 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects Services Files

BankDemo.java BankPasar.java BankPribadi.java BankSyariah.java BankUmum.java Kucing.java TestPolymorp...

Source History

```
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 /**
8 *
9 * @author Asus
10 */
11 public class Kucing extends pet{
12     public String perilaku(){
13         return "Menyukai Ikan";
14     }
15     public String suara(){
16         return "Meeow..Meeoow";
17     }
18 }
19
```

Output - Modul_8 (run) >>

0.5KiB 87%

Type here to search

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

Search (Ctrl+F)

Projects Services Files

BankPribadi.java BankSyariah.java BankUmum.java Kucing.java TestPolymorphism.java pet.java

Source History

```
3 /**
4 * To change this template file, choose Tools | Templates
5 * and open the template in the editor.
6 */
7 /**
8 *
9 * @author Asus
10 */
11 public class TestPolymorphism {
12     public static void main (String[] args){
13         Kucing k = new Kucing();
14         Anjing a = new Anjing();
15
16         k.beriNama("Tom");
17         a.beriNama("Bull");
18
19         System.out.println(
20             k.panggilNama()+"\n"+
21             k.perilaku()+"\n"+
22             k.suara()+"\n"+
23             a.panggilNama()+"\n"+
24             a.perilaku()+"\n"+
25             a.suara()
26         );
27     }
28 }
29
```

Output - Modul_8 (run) >>

0.4KiB 87%

10.pet

Modul_8 - NetBeans IDE 8.2

```

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 /**
8 *
9 * @author Asus
10 */
11 public class pet {
12     private String nama;
13
14     public void beriNama(String beriNama) {
15         this.nama = beriNama;
16     }
17     public String panggilNama() {
18         return this.nama;
19     }
20     public String perilaku() {
21         return " Hewan Penurut";
22     }
23 }
24

```

Output - Modul_8 (run) >>

0.2KiB 87% 0KiB

Modul 9

1. Abstrak class

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9 *
10 * @author Personal
11 */
12 abstract class AbstrakClass {
13     int a;
14     int b;
15     int c;
16     public AbstrakClass(int a, int b, int c) {
17         this.a = a;
18         this.b = b;
19         this.c = c;
20     }
21     public int kali() {
22         return a*b*c;
23     }
24 }
25

```

Output - PROJECT ABADI (run) >>

```

Keling = 44
Luas = 121

Keling Persegi Panjang= 60000
Luas Persegi Panjang = 25000

Keling Jajar Genjang = 27
Luas Jajar Genjang = 60

Keling Segitiga = 60
Luas Segitiga = 26

```

24.2% 8:30 29/11/2019

2. Balok

The screenshot shows the NetBeans IDE interface with the title bar "PROJECT ABADI - NetBeans IDE 8.2". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has icons for New Project, Open Project, Save, Run, Stop, and others. The Projects tab shows a project named "PROJECT ABADI" with a package "modul9" containing classes like AbstrakClass, Balok, BangunRuang, Bola, JajarGenjang, Kerucut, Kubus, Lingkaran, MethodMan, MethodmanBangunRuang, Modul9, ObjekAbstrakClass, Perseg, PersegPanjang, PrimaSegitiga, Segitiga, and TuruManAbstrakClass. The Source tab displays the code for the "Balok.java" file:

```
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 modul9;
7
8 /**
9  *
10  * @author Personal
11 */
12 public class Balok extends BangunRuang {
13     int p = 7;
14     int l = 7;
15     int t = 7;
16
17
18     public int Volume() {
19         return p*l*t;
20     }
21
22     public int LuasPermukaan() {
23         return 2*((p*l)+(p*t)+(l*t));
24     }
25 }
```

The Output window shows the results of running the project:

```
run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25
```

3. Bangun ruang

The screenshot shows the NetBeans IDE interface with the title bar "PROJECT ABADI - NetBeans IDE 8.2". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has icons for New Project, Open Project, Save, Run, Stop, and others. The Projects tab shows a project named "PROJECT ABADI" with a package "modul9" containing classes like AbstrakClass, Balok, BangunRuang, Bola, JajarGenjang, Kerucut, Kubus, Lingkaran, MethodMan, MethodmanBangunRuang, Modul9, ObjekAbstrakClass, Perseg, PersegPanjang, PrimaSegitiga, Segitiga, and TuruManAbstrakClass. The Source tab displays the code for the "BangunRuang.java" file:

```
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 modul9;
7
8 /**
9  *
10  * @author Personal
11 */
12
13 abstract class BangunRuang {
14     public abstract int LuasPermukaan();
15     public abstract int Volume();
16
17     public int getVolume() {
18         return Volume();
19     }
20
21     public int getLuasPermukaan() {
22         return LuasPermukaan();
23     }
24 }
```

The Output window shows the results of running the project:

```
run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25
```

4. Bola

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10  * @author Personal
11  */
12 public class Bola extends BangunRuang{
13     int phi = 22/7;
14     int r = 7;
15
16     public int Volume() {
17         return 4/3*phi*r*r*r;
18     }
19     public int LuasPermukaan() {
20         return 4*phi*r*r;
21     }
22 }

```

Output - PROJECT ABADI (run) :

```

run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25

```

5. Jajar genjang

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10  * @author Personal
11  */
12 public class JajarGenjang extends methodAbstract{
13     int atas = 10;
14     int bawah = 10;
15     int tinggi = 5;
16     int c = 3;
17     int d = 4;
18
19     public int luas() {
20         return atas*tinggi;
21     }
22     public int keliling(){
23         return atas+bawah+c+d;
24     }
25 }

```

Output - PROJECT ABADI (run) :

```

run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25

```

6. Kerucut

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10  * @author Personal
11  */
12 public class Kerucut extends BangunRuang{
13     int phi = 22/7;
14     int r = 7;
15     int t = 60;
16     int s = 10;
17
18     public int Volume() {
19         return 3/(phi*r*r*t);
20     }
21     public int LuasPermukaan(){
22         return phi*r*(r+s);
23     }
24 }

```

Output - PROJECT ABADI (run) :

```

run:
Kerucut = 44
Luas = 121

Kerucut Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kerucut Jajar Genjang = 27
Luas Jajar Genjang = 50

Kerucut Segitiga = 50
Luas Segitiga = 25

```



7. Kubus

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10  * @author Personal
11  */
12 public class Kubus extends BangunRuang{
13     int s = 7;
14
15     public int Volume() {
16         return s*s*s;
17     }
18     public int LuasPermukaan(){
19         return 6*(s*s);
20     }
21 }

```

Output - PROJECT ABADI (run) :

```

run:
Kerucut = 44
Luas = 121

Kerucut Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kerucut Jajar Genjang = 27
Luas Jajar Genjang = 50

Kerucut Segitiga = 50
Luas Segitiga = 25

```



8. Lingkaran

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10 * @author Personal
11 */
12 public class Lingkaran extends methodAbstract{
13     int r =14;
14     int phi = 22/7;
15
16     public int luas() {
17         return phi*r*r;
18     }
19     public int keliling(){
20         return 2*phi*r;
21     }
22 }
23
24

```

Output - PROJECT ABADI (run) ■

```

run:
Keliling = 44
Luas = 121

Keliling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Keliling Jajar Genjang = 27
Luas Jajar Genjang = 50

Keliling Segitiga = 50
Luas Segitiga = 25

```

9. Method main

PROJECT ABADI - NetBeans IDE 8.2

```

10 /**
11  * @author Personal
12 */
13 public class MethodMain {
14     public static void main(String[] args){
15         Persegi pag = new Persegi();
16         System.out.println("Keliling = "+pag.getKell());
17         System.out.println("Luas = "+pag.getLuas()+"\n");
18
19         PersegiPanjang pp = new PersegiPanjang();
20         System.out.println("Keliling Persegi Panjang= "+pp.getKell());
21         System.out.println("Luas Persegi Panjang = "+pp.getLuas()+"\n");
22
23         JajarGenjang jg = new JajarGenjang();
24         System.out.println("Keliling Jajar Genjang = "+jg.getKell());
25         System.out.println("Luas Jajar Genjang = "+jg.getLuas()+"\n");
26
27         Segitiga sg = new Segitiga();
28         System.out.println("Keliling Segitiga = "+sg.getKell());
29         System.out.println("Luas Segitiga = "+sg.getLuas()+"\n");
30
31         Lingkaran ling = new Lingkaran();
32         System.out.println("Keliling Lingkaran = "+ling.getKell());
33         System.out.println("Luas Lingkaran = "+ling.getLuas());
34     }
35 }

```

Output - PROJECT ABADI (run) ■

```

run:
Keliling = 44
Luas = 121

Keliling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Keliling Jajar Genjang = 27
Luas Jajar Genjang = 50

Keliling Segitiga = 50
Luas Segitiga = 25

```

10.Method main bangun ruang

PROJECT ABADI - NetBeans IDE 8.2

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

Source History ... Search (Ctrl+F)

Projects Files Services

modul9

AbstrakClass.java Balok.java BangunRuang.java Bola.java JajarGenjang.java Kerucut.java Kubus.java Lingkaran.java MethodMain.java MethodmainBangunRuang.java Modul9.java ObjekAbstrakClass.java Perseg.java PersepPanjang.java PrismaSegitiga.java Segitiga.java TurunanAbstrakClass.java

Members

MethodmainBangunRuang

main(String[] args)

```

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 modul9;
7
8 /**
9  *
10  * @author Personal
11  */
12 public class MethodmainBangunRuang {
13     public static void main(String[] args) {
14         Balok blk = new Balok();
15         System.out.println("Volume Balok= "+blk.Volume());
16         System.out.println("LuasPermukaan Balok= "+blk.LuasPermukaan()+"\n");
17
18         Kubus kbs = new Kubus();
19         System.out.println("Volume Kubus= "+kbs.Volume());
20         System.out.println("LuasPermukaan Kubus = "+kbs.LuasPermukaan()+"\n");
21
22         Bola bl = new Bola();
23         System.out.println("Volume Bola = "+bl.Volume());
24         System.out.println("LuasPermukaan Bola = "+bl.LuasPermukaan()+"\n");
25     }
26 }
```

Output - PROJECT ABADI (run) ■

```

run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25
```

IN 1:1 8:35 29/11/2019

11. Objek abstrak class

PROJECT ABADI - NetBeans IDE 8.2

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

Source History ... Search (Ctrl+F)

Projects Files Services

modul9

AbstrakClass.java Balok.java BangunRuang.java Bola.java JajarGenjang.java Kerucut.java Kubus.java Lingkaran.java MethodMain.java MethodmainBangunRuang.java Modul9.java ObjekAbstrakClass.java Perseg.java PersepPanjang.java PrismaSegitiga.java Segitiga.java TurunanAbstrakClass.java

Members

ObjekAbstrakClass

main(String[] args)

```

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 modul9;
7
8 /**
9  *
10  * @author Personal
11  */
12 public class ObjekAbstrakClass {
13     public static void main(String [] args){
14         TurunanAbstrakClass tac = new TurunanAbstrakClass(2,3,4);
15         tac.printX();
16         System.out.println(tac.kali());
17     }
18 }
```

Output - PROJECT ABADI (run) ■

```

run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25
```

IN 1:1 8:36 29/11/2019

12. Persegi

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10 * @author Personal
11 */
12 public class Persegi extends methodAbstract{
13     int sisi=11;
14
15     public int luas() {
16         return sisi*sisi;
17     }
18     public int keliling(){
19         return 4*sisi;
20     }
21 }

```

Output - PROJECT ABADI (run) :

```

run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25

```

13. Persegi panjang

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10 * @author Personal
11 */
12 public class PersegPanjang extends methodAbstract{
13     int panjang =500;
14     int lebar = 50;
15
16     public int luas() {
17         return panjang*lebar;
18     }
19     public int keliling(){
20         return 2*(panjang+lebar);
21     }
22 }

```

Output - PROJECT ABADI (run) :

```

run:
Kelling = 44
Luas = 121

Kelling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Kelling Jajar Genjang = 27
Luas Jajar Genjang = 50

Kelling Segitiga = 50
Luas Segitiga = 25

```

14. Prisma segitiga

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10 * @author Personal
11 */
12 public class PrismaSegitiga extends BangunRuang{
13     int luasAlas = 100;
14     int kelilingAlas = 100;
15     int t = 10;
16
17     public int Volume() {
18         return luasAlas*t;
19     }
20     public int LuasPermukaan() {
21         return (2*luasAlas)+(kelilingAlas*t);
22     }
23

```

Output - PROJECT ABADI (run) ■

```

run:
Keliling = 44
Luas = 121
Keliling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Keliling Jajar Genjang = 27
Luas Jajar Genjang = 50

Keliling Segitiga = 50
Luas Segitiga = 25

```

15.Segitiga

PROJECT ABADI - NetBeans IDE 8.2

```

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 modul9;
7
8 /**
9  *
10 * @author Personal
11 */
12 public class Segitiga extends methodAbstract{
13     int alas=10;
14     int tinggi = 5;
15     int sisi1 =10;
16     int sisi2 = 20;
17     int sisi3 = 20;
18
19
20     public int luas() {
21         return (alas*tinggi)/2;
22     }
23     public int keliling(){
24         return (sisi1+sisi2+sisi3);
25     }
26

```

Output - PROJECT ABADI (run) ■

```

run:
Keliling = 44
Luas = 121
Keliling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Keliling Jajar Genjang = 27
Luas Jajar Genjang = 50

Keliling Segitiga = 50
Luas Segitiga = 25

```

16.Turunan abstrak

```
/*
 * 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 modul9;

public abstract class methodAbstract {
    public abstract int luas();
    public abstract int keliling();
}

public class TurunanAbstrakClass extends AbstrakClass {
    int x;
    public TurunanAbstrakClass (int a, int b, int c){
        super(a,b,c);
        x = a+b+c;
    }
    public void printX(){
        System.out.println(x);
    }
}

Output - PROJECT ABADI (run) ■
run:
Keliling = 44
Luas = 121
Keliling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Keliling Jajar Genjang = 27
Luas Jajar Genjang = 50

Keliling Segitiga = 50
Luas Segitiga = 25
```

17. Method abstrak

```
/*
 * 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 modul9;

public abstract class methodAbstract {
    public abstract int luas();
    public abstract int keliling();
}

public class TurunanAbstrakClass extends AbstrakClass {
    int x;
    public TurunanAbstrakClass (int a, int b, int c){
        super(a,b,c);
        x = a+b+c;
    }
    public void printX(){
        System.out.println(x);
    }
}

Output - PROJECT ABADI (run) ■
run:
Keliling = 44
Luas = 121
Keliling Persegi Panjang= 60000
Luas Persegi Panjang = 28000

Keliling Jajar Genjang = 27
Luas Jajar Genjang = 50

Keliling Segitiga = 50
Luas Segitiga = 25
```

Modul 10

Laporan dan Tugas

Modul10 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X Modul10

- Source Packages
 - <default package>
 - ActivityAnimal.java
 - ActivityLampu.java
 - AplikasiLampu.java
 - Lampu.java
 - Mamalia.java
- Test Packages
- Libraries
- Test Libraries
- ProjectakhirPBO

Source History

```
public interface ActivityAnimal {
    public void eat();
    public void travel();
}
```

Output

Type here to search

Modul10 (run) | running... | 5:1 | INS

5:29 PM 12/9/2019

Modul10 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X Modul10

- Source Packages
 - <default package>
 - ActivityAnimal.java
 - ActivityLampu.java
 - AplikasiLampu.java
 - Lampu.java
 - Mamalia.java
- Test Packages
- Libraries
- Test Libraries
- ProjectakhirPBO

Source History

```
public class Mamalia implements ActivityAnimal{
    @Override
    public void eat(){
        System.out.println("Mammal eats");
    }

    @Override
    public void travel(){
        System.out.println("Mammal Travels ");
    }

    public int noOfLegs(){
        return 0;
    }

    public static void main(String[] args){
        Mamalia m = new Mamalia();
        m.eat();
        m.travel();
    }
}
```

Output

Modul10 (run) X Modul10 (run) #2 X

```
run:
Mammal eats
Mammal Travels
BUILD SUCCESSFUL (total time: 1 second)
```

Modul10 (run) | running... | 20:1 | INS

5:32 PM 12/9/2019

Modul10 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X

- Modul10
- Source Packages
 - <default package>
 - ActivityAnimal.java
 - ActivityLampu.java
 - AplikasiLampu.java
 - Lampu.java
 - Mamala.java
 - Test Packages
 - Libraries
 - Test Libraries
- ProjectakhirPBO

Source History

```
public interface ActivityLampu {  
    public static final int LAMPU_HIDUP=1;  
    public static final int LAMPU_MATI=0;  
    public static final int LAMPU_REDUP=2;  
    public abstract void matikanLampu();  
    public abstract void hidupkanLampu();  
    public abstract void redupkanLampu();  
}
```

Modul10 (run) | running... | 9:1 | INS

5:33 PM 12/9/2019

Output

Type here to search

Modul10 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects X

- Modul10
- Source Packages
 - <default package>
 - ActivityAnimal.java
 - ActivityLampu.java
 - AplikasiLampu.java
 - Lampu.java
 - Mamala.java
 - Test Packages
 - Libraries
 - Test Libraries
- ProjectakhirPBO

Source History

```
public class Lampu implements ActivityLampu{  
    public int statusLampu;  
  
    @Override  
    public void matikanLampu(){  
        if(statusLampu == 0){  
            System.out.println("Lampu sudah dalam kondisi mati");  
        }else if(statusLampu == 1){  
            statusLampu = 1;  
            System.out.println("Lampu sudah dimatikan");  
        }  
    }  
  
    @Override  
    public void hidupkanLampu(){  
        if(statusLampu == 1){  
            System.out.println("Lampu sudah dinyalakan\n***");  
        }else{  
            statusLampu += 1;  
            System.out.println("Lampu sudah dalam kondisi menyala");  
        }  
    }  
  
    public int setSaklar(int saklar){  
        return statusLampu = saklar;  
    }  
  
    @Override  
    public void redupkanLampu(){  
        if(statusLampu == 2){  
            System.out.println("Lampu telah diredukan");  
        }else{  
            statusLampu -= 1;  
            System.out.println("Lampu sudah dalam kondisi menyala");  
        }  
    }  
}
```

Modul10 (run) | running... | 1:1 | INS

5:34 PM 12/9/2019

Output

Type here to search

The screenshot shows two instances of the NetBeans IDE interface. The top instance displays the source code for `AplikasiLampu.java`, which contains methods for controlling a lamp's status. The bottom instance shows the execution of this code, printing the current status and a menu of options (0, 1, or 2) to interact with the lamp.

```

Modul10 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
...java mainkoneksi.java terimakasih.java koneksi.java ActivityAnimal.java ActivityLampu.java AplikasiLampu.java Lampu.java Mamalia.java
Projects X Source History <default config> Search (Ctrl+F)
Modul10
  Source Packages
    <default package>
      ActivityAnimal.java
      ActivityLampu.java
      AplikasiLampu.java
      Lampu.java
      Mamalia.java
  Test Packages
  Libraries
  Test Libraries
  ProjectakhirPBO

@default config
Source History <default config> Search (Ctrl+F)
...java mainkoneksi.java terimakasih.java koneksi.java ActivityAnimal.java ActivityLampu.java AplikasiLampu.java Lampu.java Mamalia.java
Modul10 (run) running... 39:1 5:35 PM 12/9/2019
Output Type here to search
Modul10 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
...java mainkoneksi.java terimakasih.java koneksi.java ActivityAnimal.java ActivityLampu.java AplikasiLampu.java Lampu.java Mamalia.java
Projects X Source History <default config> Search (Ctrl+F)
Modul10
  Source Packages
    <default package>
      ActivityAnimal.java
      ActivityLampu.java
      AplikasiLampu.java
      Lampu.java
      Mamalia.java
  Test Packages
  Libraries
  Test Libraries
  ProjectakhirPBO

@default config
Source History <default config> Search (Ctrl+F)
...java mainkoneksi.java terimakasih.java koneksi.java ActivityAnimal.java ActivityLampu.java AplikasiLampu.java Lampu.java Mamalia.java
Modul10 (run) #2 running... 20:1 5:36 PM 12/9/2019
Output Type here to search

```

`AplikasiLampu.java` code:

```

1 import java.util.Scanner;
2 public class AplikasiLampu {
3     public static void main(String[] args){
4         Lampu lampu = new Lampu();
5         Scanner sc = new Scanner(System.in);
6         lampu.statusLampu = lampu.setSaklar(0);
7         System.out.println("Status Lampu = " + lampu.statusLampu +"\n Ketikkan");
8         System.out.println("1 Untuk menyalaikan Lampu\n0 Untuk mematikan Lampu\n2 Untuk meredupkan Lampu");
9
10        if(lampu.setSaklar(sc.nextInt()) == 0){
11            lampu.matiLampu();
12        }else if(lampu.statusLampu == 1){
13            lampu.hidupkanLampu();
14        }else{
15            lampu.redupkanLampu();
16        }
17    }
18 }
19
20

```

Execution Output:

```

run:
Status Lampu = 0
Ketikkan
1 Untuk menyalaikan Lampu
0 Untuk mematikan Lampu
2 Untuk meredupkan Lampu

```

Modul 11

1. Outer_Demo.

Modul 11 - NetBeans IDE 8.2

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

OuterDemo - Navigator

Members Outer_Demo Nested_Demo

```
/*
 * 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.
 */
/*
 * @author LABRPL-29
 */
public class Outer_Demo {
    class Nested_Demo{
    }
}
```

OuterDemo.

Modul 11 - NetBeans IDE 8.2

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

OuterDemo - Navigator

Members Outer main(String[] args) NestedDemo myMethod()

```
/*
 * 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.
 */
/*
 * @author LABRPL-29
 */
public class OuterDemo {
    int num;

    //inner class
    private class InnerDemo{
        private void print(){
            System.out.println("Ini merupakan method inner class");
        }
    }
    //akses method inner class dari method outer class
    void displayInner(){
        InnerDemo inner = new InnerDemo();
        inner.print();
    }
}
```

Output - Modul 11 (run)

```
run:
Ini adalah Method static nested class
BUILD SUCCESSFUL (total time: 0 seconds)
```

2. OuterDemo2

Modul 11 - NetBeans IDE 8.2

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

Projects Modul 11 Files Services

Source History OuterDemo.java OuterDemo2.java OuterDemoMain.java Outer_Demo.java NestedClass.java

```

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 /**
8  *
9  * @author LABRPL-29
10 */
11 public class OuterDemo2 {
12     private int num = 175;
13     public class Inner_Demo{
14         public int getNum(){
15             System.out.println("Ini adalah nilai dari variable private outerDemo");
16             return num;
17         }
18     }
19 }

```

Navigator Members OuterDemoMain main(String[] args)

Output - Modul 11 (run)
run:
Ini adalah nilai dari variable private outerDemo
175
BUILD SUCCESSFUL (total time: 0 seconds)

Output Finished building Modul 11 (run).

3. OuterDemoMain

Modul 11 - NetBeans IDE 8.2

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

Projects Modul 11 Files Services

Source History OuterDemo.java OuterDemo2.java OuterDemoMain.java Outer_Demo.java NestedClass.java

```

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 /**
8  *
9  * @author LABRPL-29
10 */
11 public class OuterDemoMain {
12     public static void main(String[] args){
13         //membuat Object Outerdemo
14         OuterDemo2 outer = new OuterDemo2();
15
16         //Membuat Object InnerDemo
17         OuterDemo2.Inner_Demo inner = outer.new Inner_Demo();
18         System.out.println(inner.getNum());
19     }
20 }

```

OuterDemoMain - Navigator Members OuterDemoMain main(String[] args)

Output - Modul 11 (run)
run:
Ini adalah nilai dari variable private outerDemo
175
BUILD SUCCESSFUL (total time: 0 seconds)

Output Finished building Modul 11 (run).

4. Outer

```

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 /**
8  *
9  * @author LABRFL-29
10 */
11 public class Outer {
12     static class NestedDemo{
13         public void myMethod(){
14             System.out.println("Ini adalah Method" + "static nested class");
15         }
16     }
17
18     public static void main(String[] args){
19         Outer.NestedDemo nested = new Outer.NestedDemo();
20         nested.myMethod();
21     }
22 }

```

Latihan

1. Nestedclass

```

7 /**
8  *
9  * @author LABRFL-29
10 */
11 public class NestedClass {
12     String nama = "Ari wibowo ganteng"; // Lengkapi Nama Saudara
13     String nim = "L200180056"; // Lengkapi Dengan Nim Saudara
14
15     public void printNama(){
16         System.out.println(nama + " : " + nim);
17     }
18
19     static class StaticNestedClass{
20         static String jurusan = "Informatika";
21     }
22
23     class InnerClass{
24         void displayJurusan(){
25             StaticNestedClass tampilJurusan = new StaticNestedClass();
26             System.out.println("Jurusan = " + tampilJurusan.jurusan);
27         }
28     }
29 }

```

Output - Modul 11 (run)

```

run:
Ari wibowo ganteng  L200180056
Jurusan = Informatika
BUILD SUCCESSFUL (total time: 0 seconds)

```

2. Main

Modul 11 - NetBeans IDE 8.2

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

Projects Files Services

Modul 11

- Source Packages
 - <default package>
 - Latihan
 - NestedClass.java
 - NewClass.java
- Test Packages
- Libraries
- Test Libraries

Navigator Members

NewClass

```

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 Latihan;
7
8 /**
9 *
10 * @author LABRPL-29
11 */
12 public class NewClass {
13     public static void main(String[] args) {
14         NestedClass nested = new NestedClass();
15         nested.printName();
16         NestedClass.InnerClass inner = nested.new InnerClass();
17         inner.displayJurusan();
18     }
19 }

```

Output

3:50 PM 12/13/2019

Modul 12

MODUL 12

1.DemoLabel

modul12 - NetBeans IDE 8.2

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

Projects Services Files

modul12

- Source Packages
 - GUI
 - Demolabel.java
 - DemoRadioButton.java
 - DemoTextField.java
 - FrameA.java
 - FrameB.java
 - Lighthouse.jpg
 - Tugas1.java
 - Tugas2.java
 - Tulips.jpg
 - Utama.java
 - truck.jpeg
- Test Packages
- Libraries
- Test Libraries
- package Space
- PBO
- ProjectakhirPBO

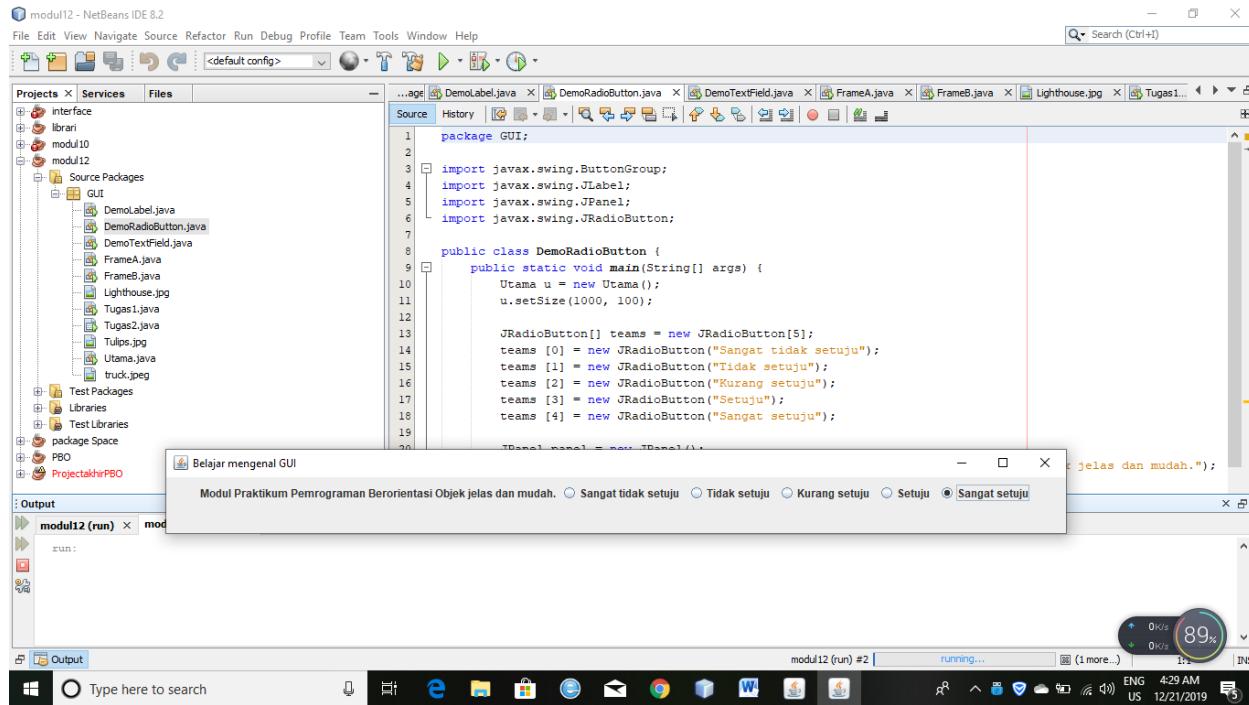
Output - modul12 (run)

run:

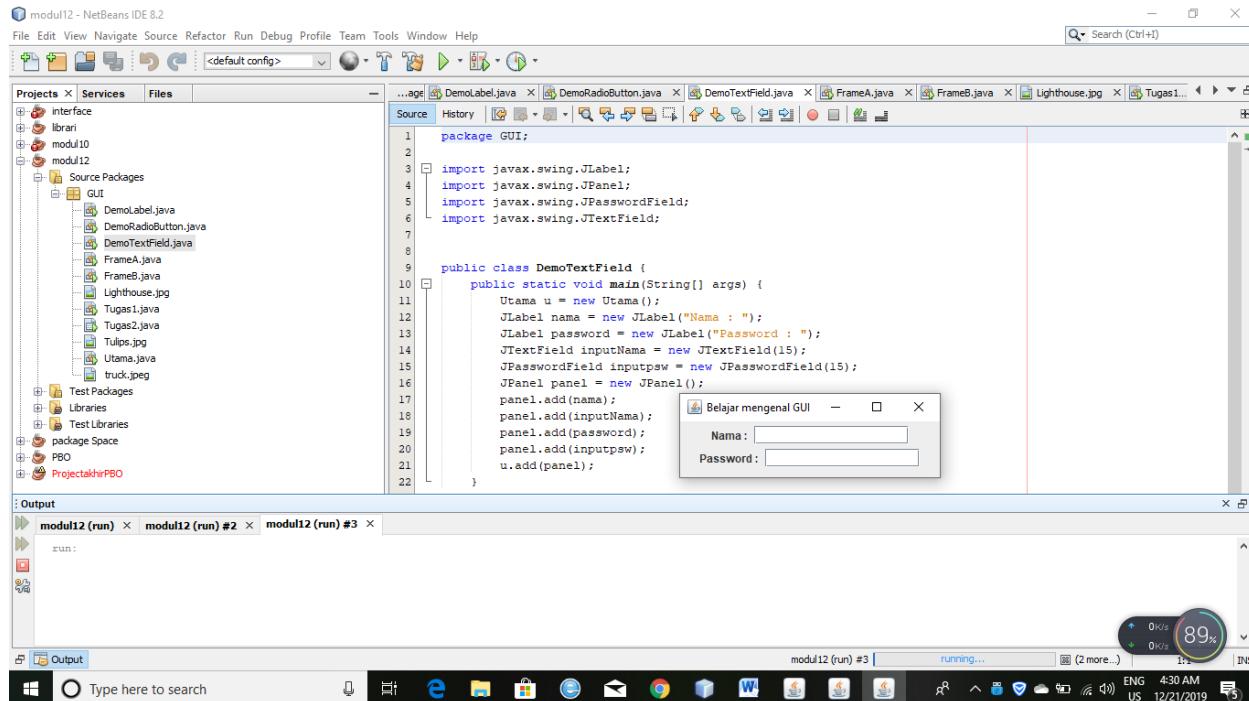
Belajar mengenal GUI

modul12 (run) running... 13s 0% 88%

2.DemoRadioButton



3.DemoTextField



4.Frame A

modul12 - NetBeans IDE 8.2

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

Search (Ctrl+F)

Projects Services Files

...age DemoLabel.java DemoRadioButton.java DemoTextField.java FrameA.java FrameB.java Lighthouse.jpg Tugas1..

Source History

```

1 package GUI;
2
3 import java.awt.Container;
4 import javax.swing.JButton;
5
6 public class FrameA extends javax.swing.JFrame {
7     public FrameA() {
8         super("Frame dan button");
9         setSize(100, 50);
10        setDefaultCloseOperation(EXIT_ON_CLOSE);
11        setVisible(true);
12        setLocationRelativeTo(null);
13    }
14    public static void main(String[] args) {
15        FrameA fa = new FrameA();
16        Container kontainer = fa.getContentPane();
17        JButton jbtOK = new JButton("OK");
18        kontainer.add(jbtOK);
19    }
20 }
```

Output

modul12 (run) #2 modul12 (run) #3 modul12 (run) #4

run:

0K/s 0K/s 89%

Output

Type here to search

modul12 (run) #4 running... (3 more...) ENG 4:31 AM US 12/21/2019

5.Frame B

modul12 - NetBeans IDE 8.2

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Projects Services Files

...age DemoLabel.java DemoRadioButton.java DemoTextField.java FrameA.java FrameB.java Lighthouse.jpg Tugas1..

Source History

```

1 package GUI;
2
3 import java.net.URL;
4 import javax.swing.ImageIcon;
5 import javax.swing.JButton;
6 import javax.swing.JPanel;
7
8 public class FrameB extends javax.swing.JFrame {
9     public FrameB() {
10        super("Frame dan Button");
11        setSize(500, 500);
12        setDefaultCloseOperation(EXIT_ON_CLOSE);
13        setLocationRelativeTo(null);
14    }
15    public static void main(String[] args) {
16        FrameB fb = new FrameB();
17        JPanel panel = new JPanel();
18        URL img = FrameB.class.getResource("Tulips.jpg");
19        JButton jbtOK = new JButton("OK");
20        JButton jbtImg = new JButton(new ImageIcon(img));
21        panel.add(jbtOK);
22        panel.add(jbtImg);
23    }
24 }
```

Output

modul12 (run) #2 modul12 (run) #3 modul12 (run) #4 modul12 (run) #5

run:

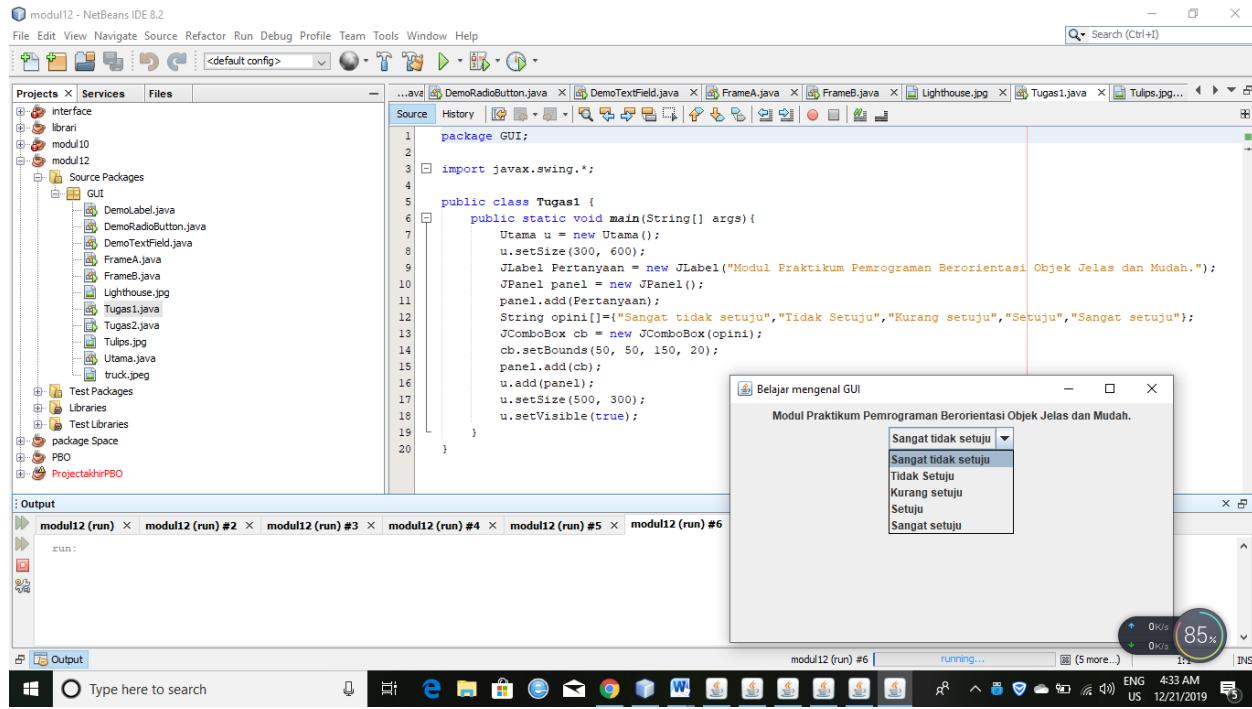
14.2K/s 0K/s 88%

Output

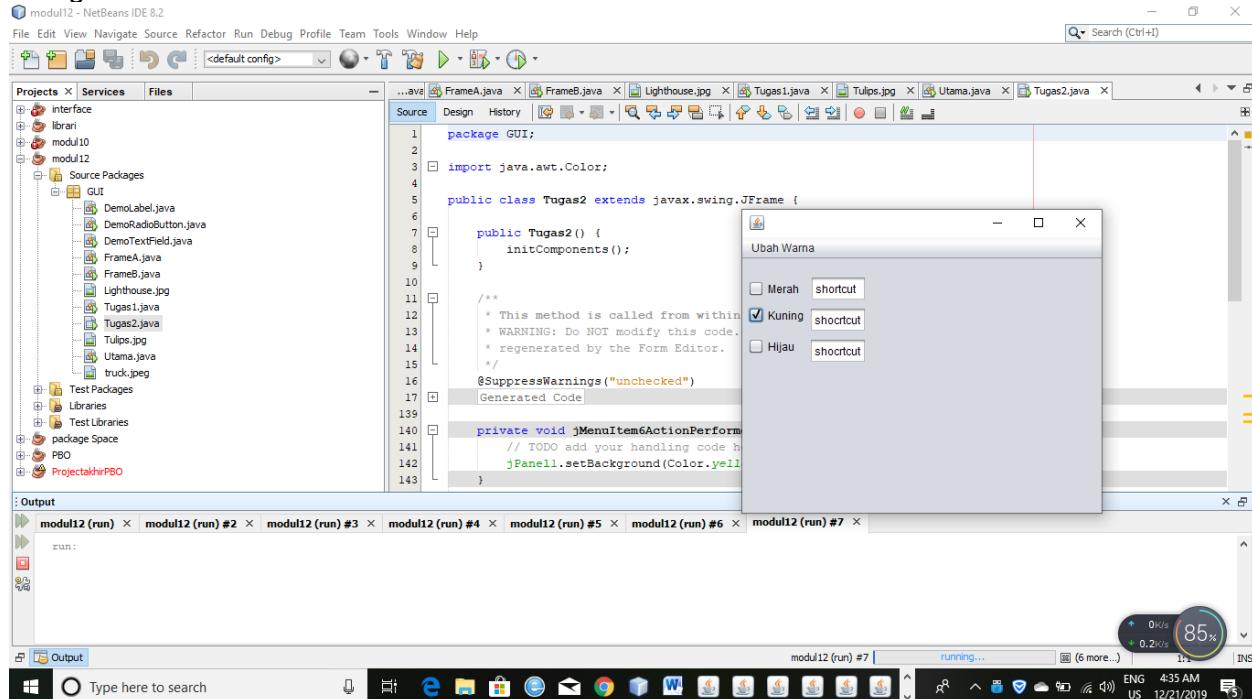
Type here to search

modul12 (run) #5 running... (4 more...) ENG 4:32 AM US 12/21/2019

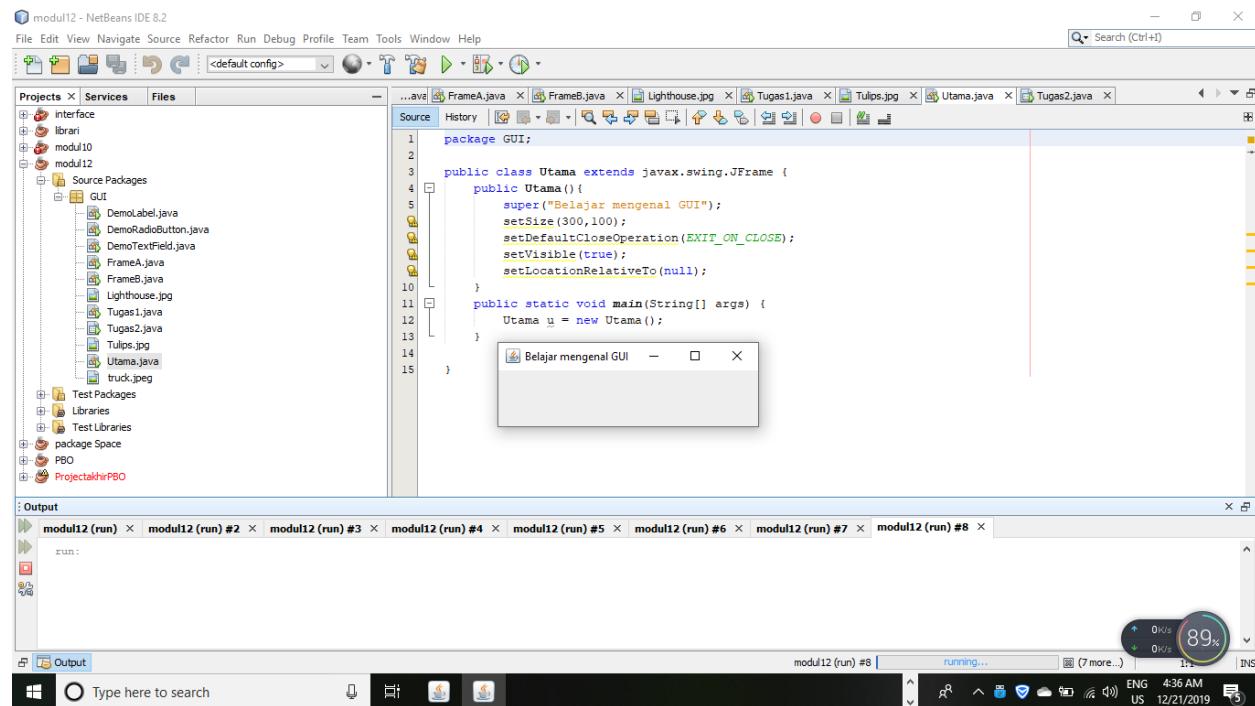
6.Tugas 1



7.Tugas 2



8.Utama



Hasil dari latihan 3