

TUGAS
PEMROGRAMAN BERORIENTASI OBJEK



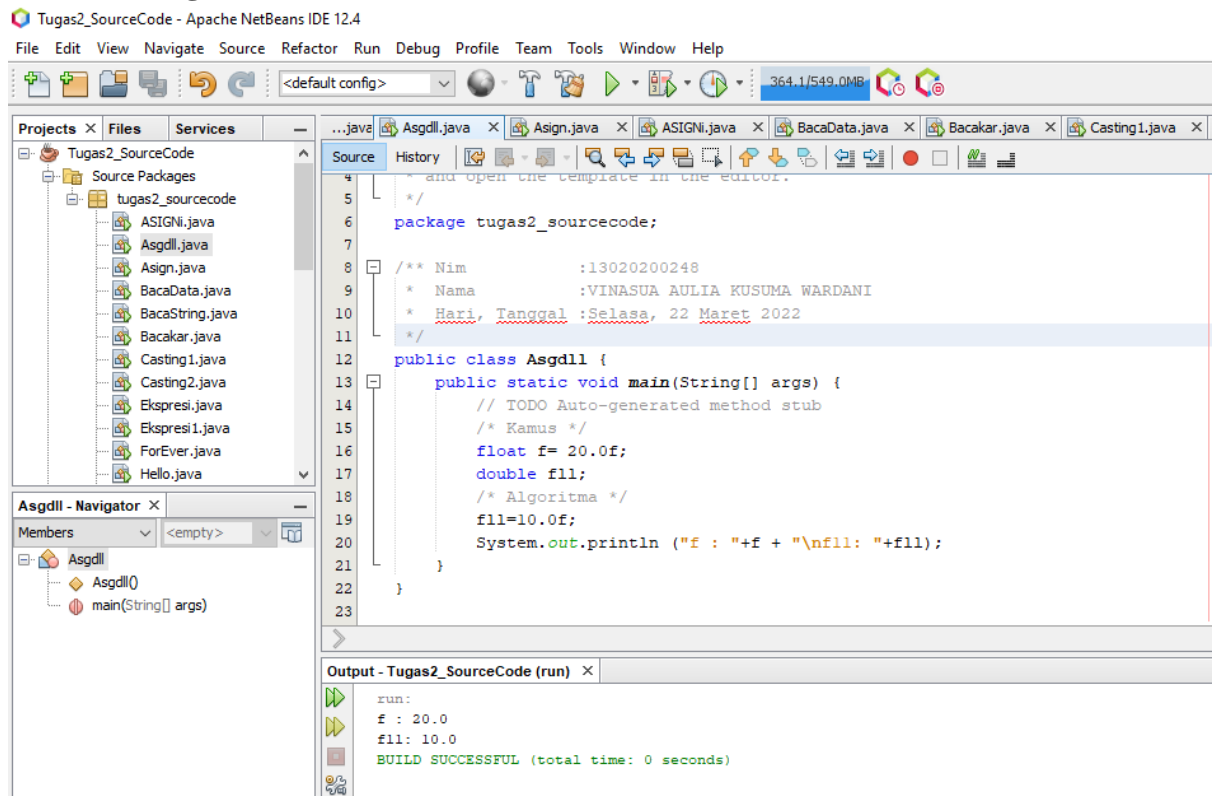
VINASUA AULIA KUSUMA WARDANI

13020200248

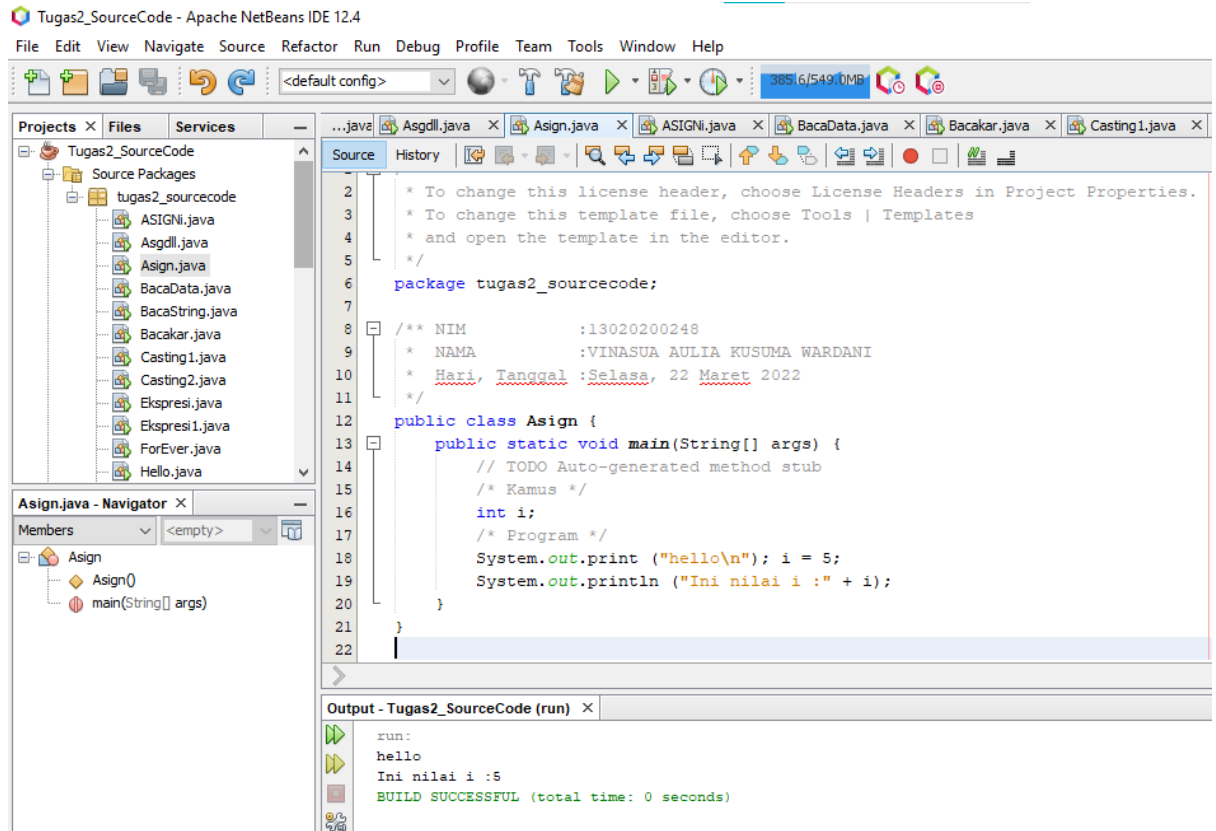
B3

PRODI TEKNIK INFORMATIKA
FAKULTAS ILMU KOMPUTER
UNIVERSITAS MUSLIM INDONESIA
2022

• OUTPUT Asgdll



• OUTPUT Assign



• OUTPUT ASIGNi

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config> 446.2/549.0MB

Projects × Files Services

Source Packages

tugas2_sourcecode

ASIGNi.java

ASIGNi - Navigator ×

Members

ASIGNi

ASIGNi()

main(String[] args)

```

12 public class ASIGNi {
13     public static void main(String[] args) {
14         // TODO Auto-generated method stub
15         /* KAMUS */
16         short ks = 1;
17         int ki = 1;
18         long kl = 10000;
19         char c = 65; /* inialisasi karakter dengan integer */
20         char cl = 'Z'; /* inialisasi karakter dengan karakter */
21         double x = 50.2f;
22         float y = 50.2f;
23         /* Algoritma */
24         /* penulisan karakter sebagai karakter */
25         System.out.println ("Karakter = "+ c);
26         System.out.println ("Karakter = "+ cl);
27         /* penulisan karakter sebagai integer */
28         System.out.println ("Karakter = "+ c);
29         System.out.println ("Karakter = "+ cl);
30         System.out.println ("Bilangan integer (short) = "+ ks);
31         System.out.println ("\t(int) = "+ ki);
32         System.out.println ("\t(long)= "+ kl);
33         System.out.println ("Bilangan Real x = "+ x);
34         System.out.println ("Bilangan Real y = "+ y);

```

Output - Tugas2_SourceCode (run) ×

```

Karakter = A
Karakter = Z
Bilangan integer (short) = 1
(int) = 1
(long)= 10000
Bilangan Real x = 50.20000076293945
Bilangan Real y = 50.2

```

• OUTPUT BacaData

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config> 425.1/549.0MB

Projects × Files Services

Source Packages

tugas2_sourcecode

ASIGNi.java

ASIGNi - Navigator ×

Members

BacaData

BacaData()

main(String[] args)

```

7
8 /** NIM :13020200248
9  * NAMA :VINASUA AULIA KUSUMA WARDANI
10  * Hari, Tanggal :Selasa, 22 Maret 2022
11  */
12 import java.util.Scanner;
13
14 public class BacaData {
15     public static void main(String[] args) {
16         // TODO Auto-generated method stub
17         /* Kamus */
18         int a;
19         Scanner masukan;
20         /* Program */
21         System.out.print ("Contoh membaca dan menulis, ketik nilai integer: \n");
22         masukan = new Scanner(System.in);
23         a = masukan.nextInt(); /* coba ketik : masukan.nextInt(); ; Apa akibatnya ?*/
24         System.out.print ("Nilai yang dibaca : "+ a);
25     }
26 }
27

```

Output - Tugas2_SourceCode (run) ×

```

run:
Contoh membaca dan menulis, ketik nilai integer:
7
Nilai yang dibaca : 7BUILD SUCCESSFUL (total time: 4 seconds)

```

• OUTPUT Bacakar

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config> 280.7/549.0MB

Projects Files Services

Source Packages

tugas2_sourcecode

ASIGNi.java

Asgdll.java

Asign.java

BacaData.java

BacaString.java

Bacakar.java

Casting1.java

Casting2.java

Ekspresi.java

Ekspresi1.java

ForEver.java

Hello.java

Navigator

Members

Bacakar

Bacakar()

main(String[] args)

```
16 public class Bacakar {
17     public static void main(String[] args) throws IOException {
18         // TODO Auto-generated method stub
19         /* Kamus */
20         char cc;
21         int bil;
22         InputStreamReader isr = new InputStreamReader(System.in);
23         BufferedReader dataIn = new BufferedReader(isr);
24         // atau
25         BufferedReader dataIn = new BufferedReader(new InputStreamReader(System.in));
26         /* Algoritma */
27         System.out.print ("hello\n");
28         System.out.print("baca 1 karakter : ");
29         //perintah baca karakter cc
30         cc =dataIn.readLine().charAt(0);
31         System.out.print("baca 1 bilangan : ");
32         //perintah baca bil
33         bil =Integer.parseInt(dataIn.readLine());
34         /*String kar = JOptionPane.showInputDialog("Karakter 1 : ");
35         System.out.println(kar);*/
36         //JOptionPane.showMessageDialog(null, "hello");
37         System.out.print (cc +"\n" +bil+"\n");
38         System.out.print ("bye \n");
```

Output - Tugas2_SourceCode (run)

run:

hello

baca 1 karakter : a

baca 1 bilangan : 5

a

5

bye

• OUTPUT BacaString

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config> 303.3/549.0MB

Projects Files Services

Source Packages

tugas2_sourcecode

ASIGNi.java

Asgdll.java

Asign.java

BacaData.java

BacaString.java

Bacakar.java

Casting1.java

Casting2.java

Ekspresi.java

Ekspresi1.java

ForEver.java

Hello.java

Navigator

Members

BacaString

BacaString()

main(String[] args)

```
7 /** NIM :13020200248
8  * NAMA :VINASUA AULIA KUSUMA WARDANI
9  * Hari, Tanggal :Selasa, 22 Maret 2022
10 */
11
12 import java.io.BufferedReader;
13 import java.io.IOException;
14 import java.io.InputStreamReader;
15
16 public class BacaString {
17     public static void main(String[] args) throws IOException {
18         // TODO Auto-generated method stub
19         /* Kamus */
20         String str;
21         BufferedReader dataIn = new BufferedReader(new InputStreamReader(System.in));
22         /* Program */
23         System.out.print ("\nBaca string dan Integer: \n");
24         System.out.print("masukkan sebuah string: ");
25         str= dataIn.readLine();
26         System.out.print ("String yang dibaca : "+ str);
27     }
28 }
29
```

Output - Tugas2_SourceCode (run)

run:

Baca string dan Integer:

masukkan sebuah string: a

String yang dibaca : aBUILD SUCCESSFUL (total time: 11 seconds)

• OUTPUT Casting1

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config> 341.8/549.0MB

Projects X Files Services ...ave Casting1.java X Casting2.java X Ekspresi.java X Ekspresi1.java X Hello.java X Incr.java X Oper1.java

Source History

```
8  /** NIM :13020200248
9   * NAMA :VINASUA AULIA KUSUMA WARDANI
10  * Hari, Tanggal :Selasa, 22 Maret 2022
11  */
12  public class Casting1 {
13      public static void main(String[] args) {
14          // TODO Auto-generated method stub
15          int a=5,b=6;
16          float d=2.f,e=3.2f;
17          char g='5';
18          double k=3.14;
19          System.out.println((float)a); // int <-- float
20          System.out.println((double)b); // int <-- double
21          System.out.println((int)d); // float <-- int
22          System.out.println((double)e); // float <-- double
23          System.out.println((int)g); // char <-- int (ASCII)
24          System.out.println((float)g); // char <-- float (ASCII)
25          System.out.println((double)g); // char <-- double (ASCII)
26          System.out.println((int)k); // double <-- int
27          System.out.println((float)k); // double <-- float
28      }
29  }
```

Output - Tugas2_SourceCode (run) X

```
5.0
6.0
2
3.200000047683716
53
53.0
53.0
2
```

• OUTPUT Casting2

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config> 424.3/549.0MB

Projects X Files Services ...ave Casting1.java X Casting2.java X Ekspresi.java X Ekspresi1.java X Hello.java X Incr.java X Oper1.java

Source History

```
12  public class Casting2 {
13      public static void main(String[] args) {
14          // TODO Auto-generated method stub
15          int a=9,b=9;
16          float d=2.f,e=3.2f;
17          char g='5';
18          double k=3.14;
19          String n="67",m="45", l="100";
20          a = Integer.parseInt(n); /*Konversi String ke Integer*/
21          k = Double.parseDouble(m); /*Konversi String ke Double*/
22          d = Float.parseFloat(l); /*Konversi String ke Float*/
23          System.out.println("a : "+a+"\nk : "+k+"\nd : "+d);
24          n = String.valueOf(b); /*Konversi Integer ke String*/
25          m = String.valueOf(g); /*Konversi Karakter ke String*/
26          l = String.valueOf(e); /*Konversi Float ke String*/
27          System.out.println("n : "+n+"\nm : "+m+"\nl : "+l);
28          k = Double.valueOf(a).intValue(); /*Konversi Integer ke Double*/
29          double c = Integer.valueOf(b).doubleValue();
30          System.out.println("k : "+k+"\nc : "+c+"\nl : "+l);
31      }
32  }
33  }
```

Output - Tugas2_SourceCode (run) X

```
a : 67
k : 45.0
d : 100.0
n : 9
m : 5
l : 3.2
k : 67.0
c : 9.0
```

• OUTPUT Ekspresi

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config>

Projects Files Services

...ave Casting1.java Casting2.java Ekspresi.java Ekspresi1.java Hello.java Incr.java Oper1.java Oper2.java

Source History

```

3  /* To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package tugas2_sourcecode;
7
8  /**
9   * NIM :13020200248
10  * NAMA :VINASUA AULIA KUSUMA WARDANI
11  * Hari, Tanggal :Selasa, 22 Maret 2022
12  */
13  public class Ekspresi {
14      public static void main(String[] args) {
15          // TODO Auto-generated method stub
16          /* KAMUS */
17          int x = 1;
18          int y = 2;
19          /* ALGORITMA */
20          System.out.print("x = " + x + "\n");
21          System.out.print("y = " + y + "\n");
22          System.out.print("hasil ekspresi = (x<y)?x:y = " + ((x < y) ?
23              x : y)); /*Gunakan dalam kurung "(statemen dan kondisi)" untuk menyatakan satu kesatuan pernyataan*/
24      }
25  }

```

Ekspresi - Navigator

Members

- Ekspresi
 - Ekspresi()
 - main(String[] args)

Output - Tugas2_SourceCode (run)

```

run:
x = 1
y = 2
hasil ekspresi = (x<y)?x:y = 1BUILD SUCCESSFUL (total time: 0 seconds)

```

• OUTPUT Ekspresi1

Tugas2_SourceCode - Apache NetBeans IDE 12.4

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

<default config>

Projects Files Services

...ave Casting1.java Casting2.java Ekspresi.java Ekspresi1.java Hello.java Incr.java Oper1.java Oper2.java

Source History

```

11  /*
12  */
13  public class Ekspresi1 {
14      public static void main(String[] args) {
15          // TODO Auto-generated method stub
16          /* KAMUS */
17          int x = 1; int y = 2; float fx; float fy;
18          /* ALGORITMA */
19          System.out.print("x/y (format integer) = " + x/y);
20          System.out.print("\nx/y (format float) = " + x/y);
21          /* supaya hasilnya tidak nol */
22          fx=x;
23          fy=y;
24          System.out.print("\nx/y (format integer) = " + fx/fy);
25          System.out.print("\nx/y (format float) = " + fx/fy);
26          /* casting */
27          System.out.print("\nfloat(x)/float(y) (format integer) = " + (float)x/(float)y);
28          System.out.print("\nfloat(x)/float(y) (format float) = " + (float)x/(float)y);
29          x = 10; y = 3;
30          System.out.print("\nx/y (format integer) = " + x/y);
31          System.out.print("\nx/y (format float) = " + x/y);
32      }
33  }

```

Ekspresi1 - Navigator

Members

- Ekspresi1
 - Ekspresi1()
 - main(String[] args)

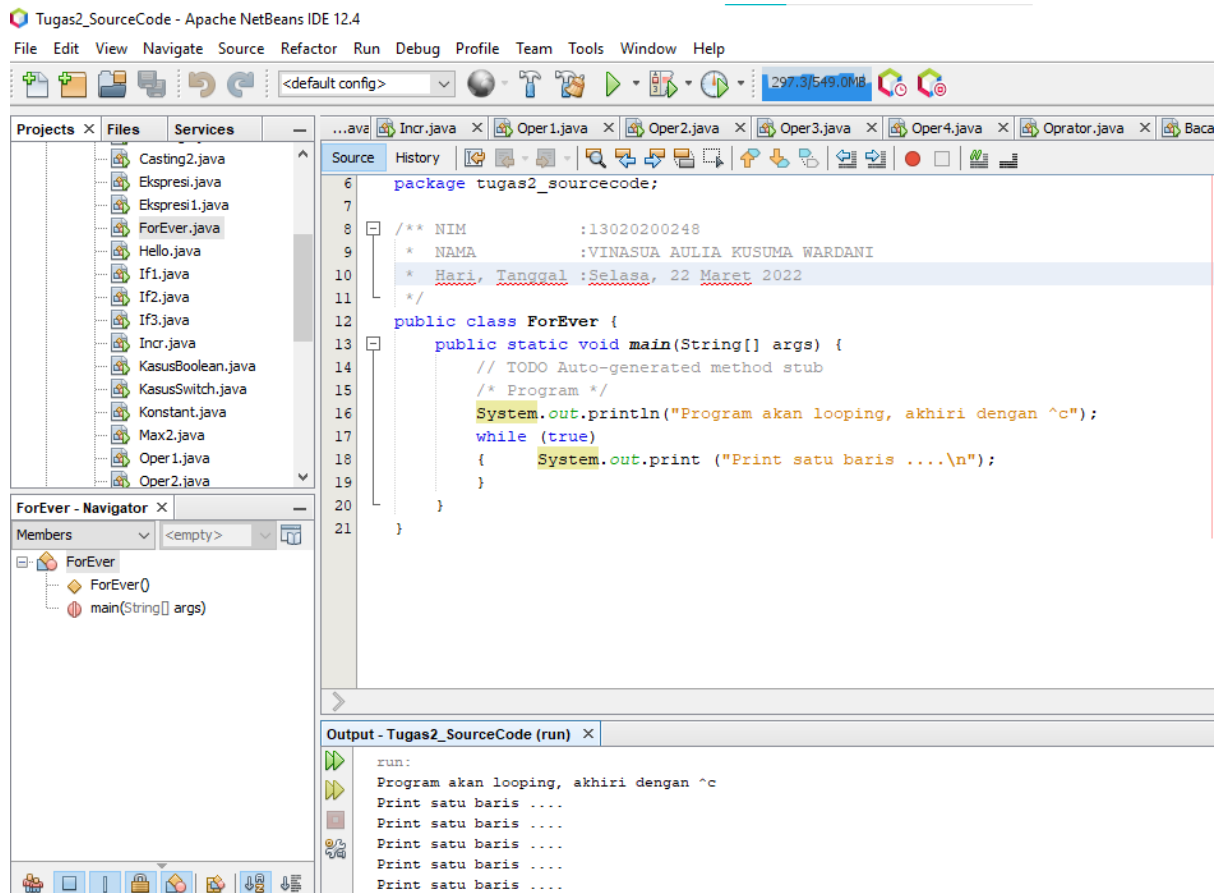
Output - Tugas2_SourceCode (run)

```

x/y (format integer) = 0
x/y (format float) = 0
x/y (format integer) = 0.5
x/y (format float) = 0.5
float(x)/float(y) (format integer) = 0.5
float(x)/float(y) (format float) = 0.5
x/y (format integer) = 3
x/y (format float) = 3BUILD SUCCESSFUL (total time: 0 seconds)

```


• OUTPUT ForEver



• OUTPUT Hello

