

## TUGAS 2 PEMROGRAMAN BERBASIS OBJEK

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### Percobaan 1

```
1 package com.company;
2
3 public class Percobaan1 {
4     public static void main (String args []) {
5
6         boolean b = true;
7         System.out.println ("Value b = " + b);
8
9         char c = 'c';
10        System.out.println ("Value c = " + c);
11
12        byte bt = 10;
13        System.out.println ("Value bt = " + bt);
14
15        short s = 20;
16        System.out.println ("Value s = " + s);
17
18        int i = 30;
19        System.out.println ("Value i = " + i);
20
21        long l = 40L;
22        System.out.println ("Value l = " + l);
23
24        float f = 3.14F;
25        System.out.println ("Value f = " + f);
26
27        double d = 3.14;
28        System.out.println ("Value d = " + d);
29    }
30 }
31
```



## Percobaan 2

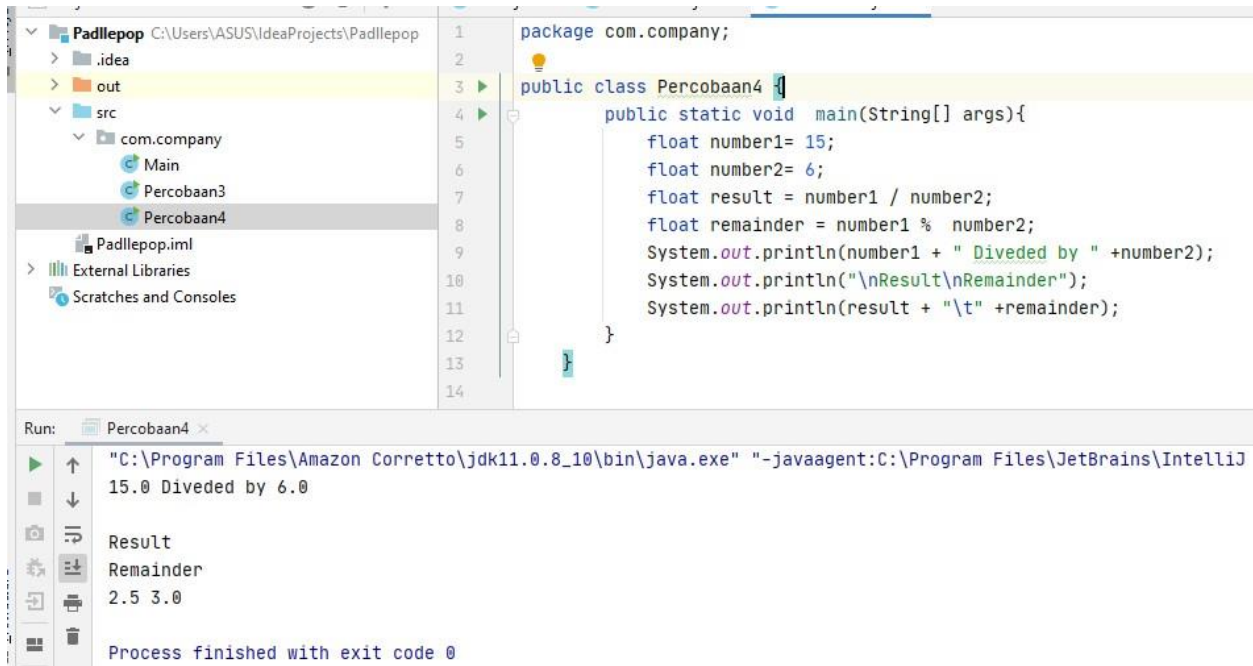
```
1 package com.company;
2
3 public class Main {
4     static boolean b;
5     static char c;
6     static byte bt;
7     static short s;
8     static int i;
9     static long l;
10    static float f;
11    static double d;
12
13    public static void main(String[] args) {
14        System.out.println("Default Value b = " + b);
15        System.out.println("Default Value c =" + c);
16        System.out.println("Default Value bt= " + bt);
17        System.out.println("Default Value s= " + s);
18        System.out.println("Default Value i=" + i);
19        System.out.println("Default Value l="+l);
20        System.out.println("Default Value f=" +f);
21        System.out.println("Default Value d="+d);
22    }
23 }
```

Run: Main x

```
"C:\Program Files\Amazon Corretto\jdk11.0.8_10\bin\
Default Value b = false
Default Value c =
Default Value bt= 0
Default Value s= 0
Default Value i=0
Default Value l=0
Default Value f=0.0
Default Value d=0.0

Process finished with exit code 0
```

### Percobaan 3



```
1 package com.company;
2
3 public class Percobaan4 {
4     public static void main(String[] args){
5         float number1= 15;
6         float number2= 6;
7         float result = number1 / number2;
8         float remainder = number1 % number2;
9         System.out.println(number1 + " Divided by " +number2);
10        System.out.println("\nResult\nRemainder");
11        System.out.println(result + "\t" +remainder);
12    }
13 }
14
```

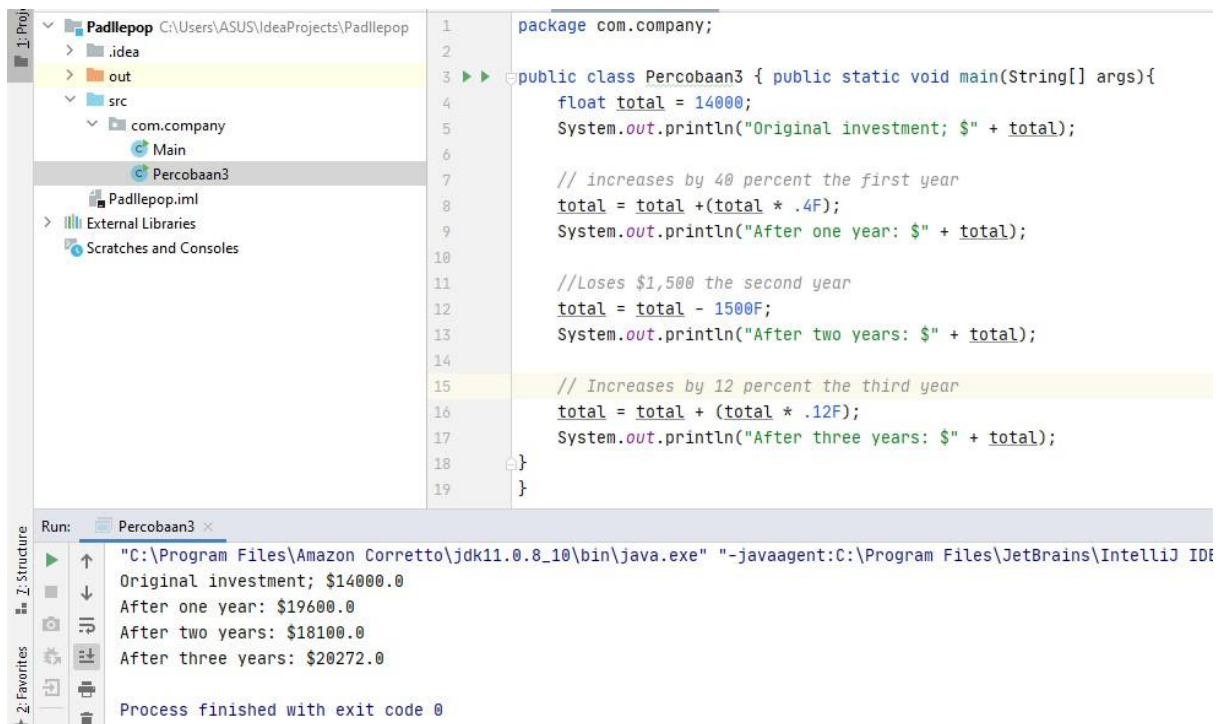
Run: Percobaan4

"C:\Program Files\Amazon Corretto\jdk11.0.8\_10\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ 15.0 Divided by 6.0

Result  
Remainder  
2.5 3.0

Process finished with exit code 0

### Percobaan 4



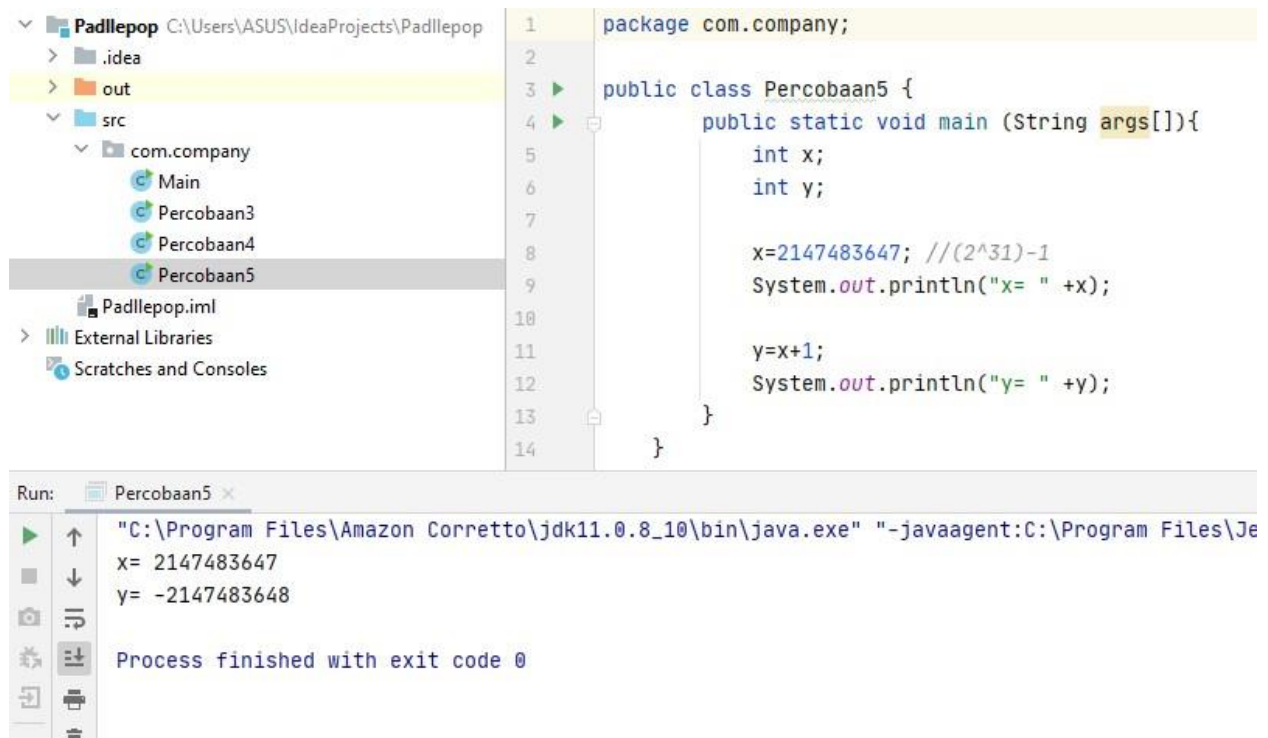
```
1 package com.company;
2
3 public class Percobaan3 { public static void main(String[] args){
4     float total = 14000;
5     System.out.println("Original investment; $" + total);
6
7     // increases by 40 percent the first year
8     total = total +(total * .4F);
9     System.out.println("After one year: $" + total);
10
11    //Loses $1,500 the second year
12    total = total - 1500F;
13    System.out.println("After two years: $" + total);
14
15    // Increases by 12 percent the third year
16    total = total + (total * .12F);
17    System.out.println("After three years: $" + total);
18 }
19 }
```

Run: Percobaan3

"C:\Program Files\Amazon Corretto\jdk11.0.8\_10\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDE  
Original investment; \$14000.0  
After one year: \$19600.0  
After two years: \$18100.0  
After three years: \$20272.0

Process finished with exit code 0

## Percobaan 5



## Tugas

**Input: jam awal, menit awal, jam akhir, menit akhir;**

**Output: Durasi waktu (dalam menit) antara jam awal menit awal dengan jam akhir menit akhir;**

## Jawb:

**Source Code:**

package main;

/\*\*

\*

```
* @author roni
*/
public class Main {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        int a,b,c,d,menittunggu1,menittunggu2;
        a = 16;
        b = 15;
        c = 51;
        d = 16;

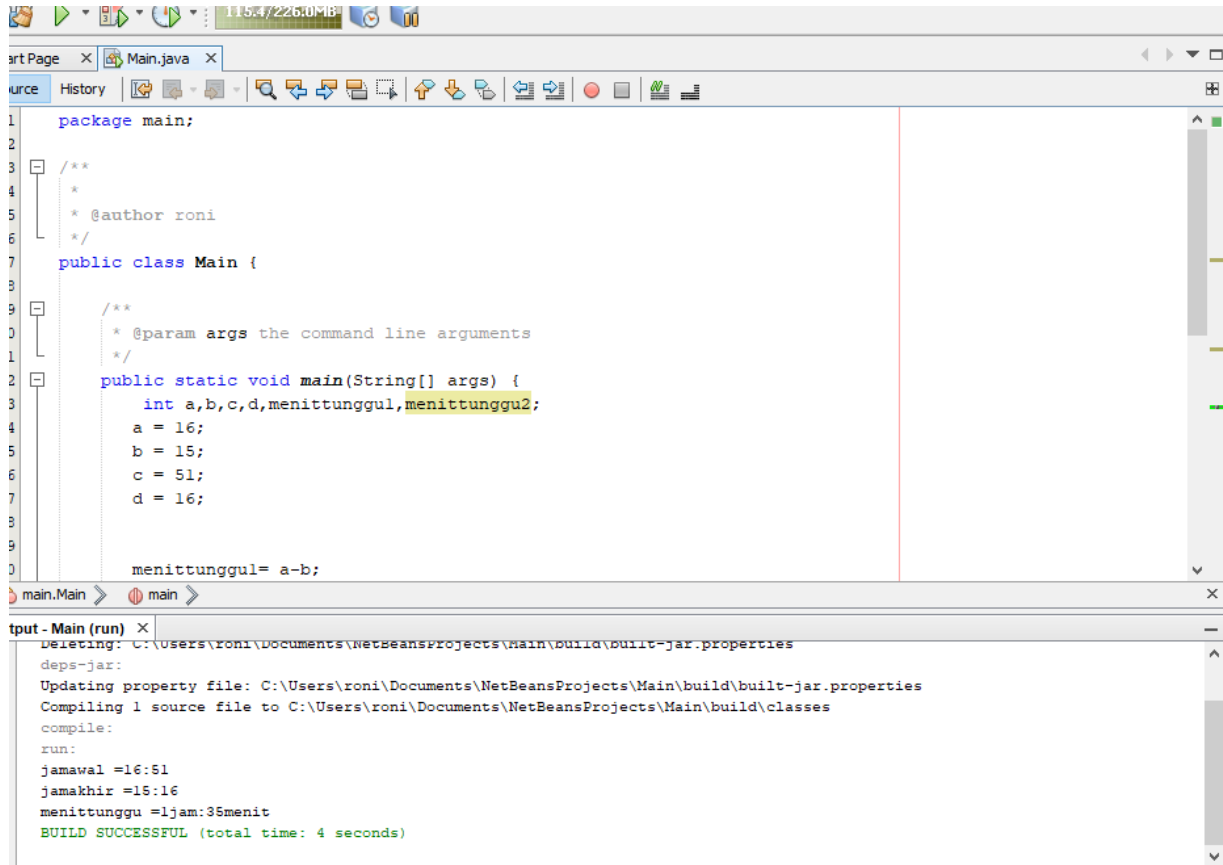
        menittunggu1= a-b;

        menittunggu2= c-d;

        System.out.println("jamawal =" +a+ ":" +c);
        System.out.println("jamakhir =" +b+ ":" +d);
        System.out.println("menittunggu =" +menittunggu1+ "jam:" +menittunggu2+ "menit");

    }
```

}



The screenshot shows the NetBeans IDE interface. The top toolbar includes icons for running, debugging, and other development actions. The main editor window displays the source code of a Java file named `Main.java`. The code is as follows:

```
1 package main;
2
3 /**
4  *
5  * @author roni
6  */
7 public class Main {
8
9     /**
10     * @param args the command line arguments
11     */
12     public static void main(String[] args) {
13         int a,b,c,d,menittunggul,menittunggu2;
14         a = 16;
15         b = 15;
16         c = 51;
17         d = 16;
18
19         menittunggul= a-b;
20     }
21 }
```

Below the editor, the `main.Main` class is selected in the `Run` tab. The `Output` window shows the execution results:

```
Deleting: C:\Users\roni\Documents\NetBeansProjects\Main\build\built-jar.properties
deps-jar:
Updating property file: C:\Users\roni\Documents\NetBeansProjects\Main\build\built-jar.properties
Compiling 1 source file to C:\Users\roni\Documents\NetBeansProjects\Main\build\classes
compile:
run:
jamawal =16:51
jamakhir =16:16
menittunggu =1jam:35menit
BUILD SUCCESSFUL (total time: 4 seconds)
```

The screenshot shows the NetBeans IDE interface. The top pane displays the source code of a Java file named `Main.java`. The code defines a `main` method that calculates the difference between two times and prints the result. The bottom pane shows the output of running the program, which includes compilation and execution details, and the final output values.

```
12 public static void main(String[] args) {  
19  
20     menittunggu1= a-b;  
21  
22     menittunggu2= c-d;  
23  
24  
25  
26     System.out.println("jamawal =" +a+ ":" +c);  
27     System.out.println("jamakhir =" +b+ ":" +d);  
28     System.out.println("menittunggu =" +menittunggu1+ "jam:" +menittunggu2+ "menit");  
29  
30  
31  
32 }  
33  
34  
35
```

main.Main > main >

Output - Main (run) x

```
Deleting: C:\Users\roni\Documents\NetBeansProjects\Main\build\build-jar.properties  
deps-jar:  
Updating property file: C:\Users\roni\Documents\NetBeansProjects\Main\build\build-jar.properties  
Compiling 1 source file to C:\Users\roni\Documents\NetBeansProjects\Main\build\classes  
compile:  
run:  
jamawal =16:51  
jamakhir =15:16  
menittunggu =1jam:35menit  
BUILD SUCCESSFUL (total time: 4 seconds)
```

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