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1. Latihan 1

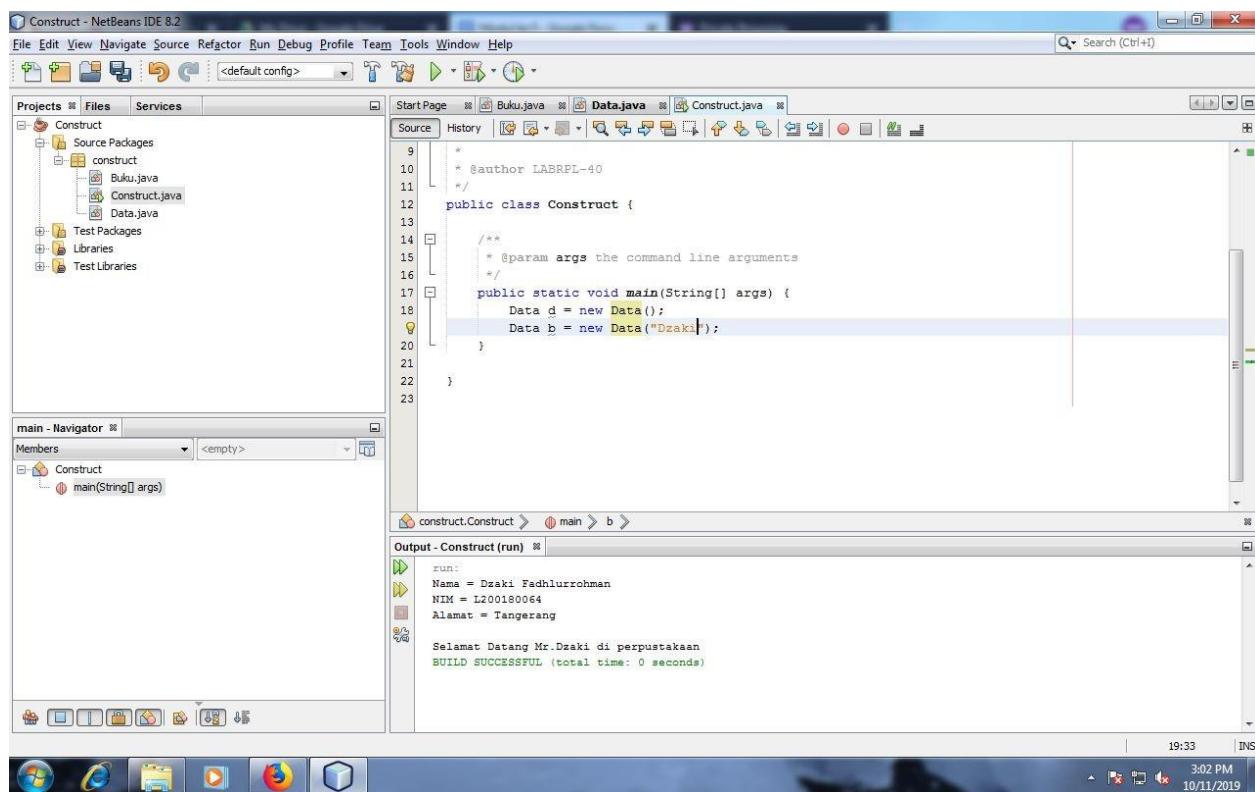
The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** Construct - NetBeans IDE 8.2
- Menu Bar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help
- Toolbar:** Standard NetBeans toolbar icons.
- Project Explorer:** Shows a project named "Construct" with source packages "construct" containing files "Buku.java", "Construct.java", and "Data.java".
- Code Editor:** Displays the "Data.java" file with the following code:

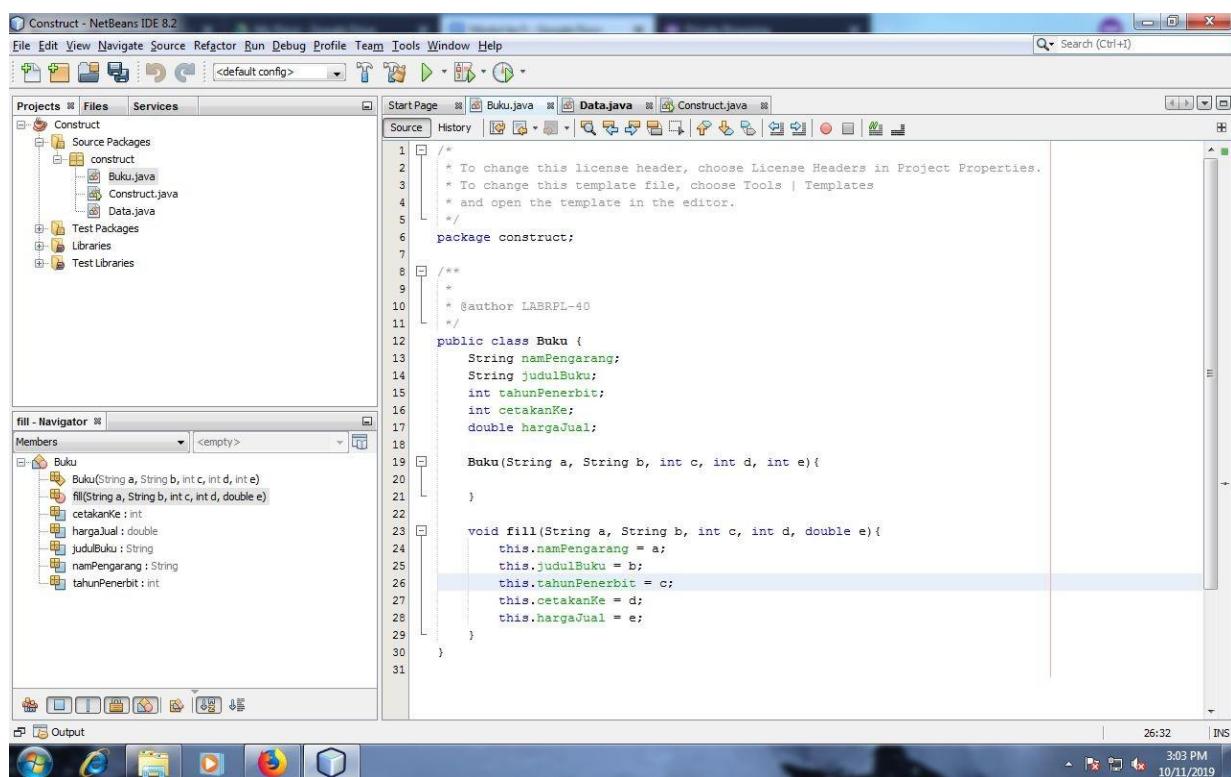
```
6 package construct;
7
8 /**
9  * @author LABRPL-40
10 */
11
12 public class Data {
13     Data(String name){
14         System.out.println("Selamat Datang Mr." + name + " di perpustakaan kami");
15     }
16     String name = "Dzaki Fadhlurrohman";
17     String nim = "L200180064";
18     String alamat = "Tangerang";
19
20     public Data(){
21         System.out.println("Nama = " + nama + "\n" + "NIM = " + nim + "\n" + "Alamat = " + alamat +
22     }
23 }
```
- Navigator:** Shows members of the "Data" class: Data(String name), Data(), alamat: String, nama: String, and nim: String.
- Output:** Shows the run output:

```
run:
Nama = Dzaki Fadhlurrohman
NIM = L200180064
Alamat = Tangerang

Selamat Datang Mr.Dzaki di perpustakaan
BUILD SUCCESSFUL (total time: 0 seconds)
```
- Bottom Status Bar:** Shows the date (10/11/2019), time (14:50), and status (INS).



2. Latihan 2



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

- Title Bar:** Construct - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Includes icons for file operations like Open, Save, Print, and a search bar labeled "Search (Ctrl+F)".
- Projects Tab:** Shows a project named "Construct" with source packages "construct" containing files Buku.java, Construct.java, Data.java, and DataTest.java. It also lists Test Packages, Libraries, and Test Libraries.
- Source Editor:** Displays the Java code for the "Construct" class. The code creates 12 instances of the "Buku" class and calls their "show()" method. The "Buku" class has fields for title, author, year, pages, and price.
- Construct - Navigator:** Shows the members of the "Construct" class, specifically the "main(String[] args)" method.
- Output Tab:** Shows the output of the build process.
- Bottom Status Bar:** Displays the time as 13:1, the date as 10/11/2019, and the build status as "INS".

```
public class Construct {
    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        Buku x = new Buku();
        Buku a = new Buku("Dzaki");
        Buku b = new Buku("Ali", "Mari nikah", 2019, 928, 126000);
        Buku c = new Buku("Hassan", "Judul satu", 2013, 924, 156000);
        Buku d = new Buku("Diaz", "Judul dua", 2018, 234, 127000);
        Buku e = new Buku("Rey", "Judul tiga", 2013, 567, 126700);
        Buku f = new Buku("Akbar", "Judul empat", 2011, 534, 226700);
        Buku g = new Buku("Beny", "Judul lima", 2007, 902, 420000);
        Buku h = new Buku("Dikta", "Judul enam", 2009, 82, 156000);
        Buku i = new Buku("Mr x", "Judul tujuh", 2004, 28, 178000);
        Buku j = new Buku("Mr y", "Judul delapan", 2012, 20, 323400);
        Buku k = new Buku("Fizal", "Mari sembilan", 2015, 85, 237000);
        x.show();
        a.show();
        b.show();
        c.show();
        d.show();
        e.show();
        f.show();
        g.show();
        h.show();
        i.show();
        j.show();
        k.show();
    }
}
```

Tugas

1. Default parameter & Parameterized Constructor

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

- Title Bar:** Construct - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Includes icons for New Project, Open Project, Save, Undo, Redo, Cut, Copy, Paste, Find, Replace, and others.
- Project Explorer:** Shows the project "Construct" with packages "Source Packages" and "Test Packages". Under "Source Packages", there is a "construct" package containing files Buku.java, Construct.java, and Data.java. There are also "Libraries" and "Test Libraries" sections.
- Buku - Navigator:** Shows the members of the Buku class, including constructor overloads (Buku(String name), Buku(), Buku(String a, String b, int c, int d, double e)), methods show(), cetakanKe(), hargaJual(), judulBuku(), and properties namaPengarang() and tahunPenerbit().
- Code Editor:** Displays the Java code for the Buku class. The code includes a constructor that prints "Selamat Datang di Toko Buku" and a constructor that takes five parameters (name, a, b, c, d, e) and initializes instance variables. It also includes a show() method that prints the book's details.
- Output:** Shows the output window with the message "!!!".
- Bottom Status Bar:** Displays the time as 3:26 PM and the date as 10/11/2019.

2. Method main implementasi dari kelas diatas

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

- Title Bar:** Construct - NetBeans IDE 8.2
- Menu Bar:** File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
- Toolbar:** Standard NetBeans toolbar icons.
- Project Explorer:** Shows a project named "Construct" with Source Packages containing "construct", "Buku.java", "Construct.java", and "Data.java".
- Navigator:** Shows Members <empty> under the "Construct" node.
- Source Editor:** Displays the code for "Construct.java".
- Code Content:**

```
12  public class Construct {  
13  
14      /**  
15      * @param args the command line arguments  
16      */  
17      public static void main(String[] args) {  
18          Buku x = new Buku();  
19          Buku a = new Buku("Dzaki");  
20          Buku b = new Buku("Ali", "Mari nikah", 2019, 928, 126000);  
21          Buku c = new Buku("Hasan", "Judul satu", 2013, 924, 156000);  
22          Buku d = new Buku("Diaz", "Judul dua", 2018, 234, 127000);  
23          Buku e = new Buku("Rey", "Judul tiga", 2013, 567, 126700);  
24          Buku f = new Buku("Akbar", "Judul empat", 2011, 534, 226700);  
25          Buku g = new Buku("Beny", "Judul lima", 2007, 902, 420000);  
26          Buku h = new Buku("Dika", "Judul enam", 2009, 82, 156000);  
27          Buku i = new Buku("Mr x", "Judul tujuh", 2004, 28, 178000);  
28          Buku j = new Buku("Mr y", "Judul delapan", 2012, 20, 323400);  
29          Buku k = new Buku("Fizal", "Mari sembilan", 2015, 85, 237000);  
30          x.show();  
31          a.show();  
32          b.show();  
33          c.show();  
34          d.show();  
35          e.show();  
36          f.show();  
37          g.show();  
38          h.show();  
39          i.show();  
40          j.show();  
41          k.show();  
42      }  
43  }  
44 }
```
- Output:** Standard NetBeans output panel.
- Bottom Status Bar:** Shows the date and time (10/11/2019, 3:27 PM).