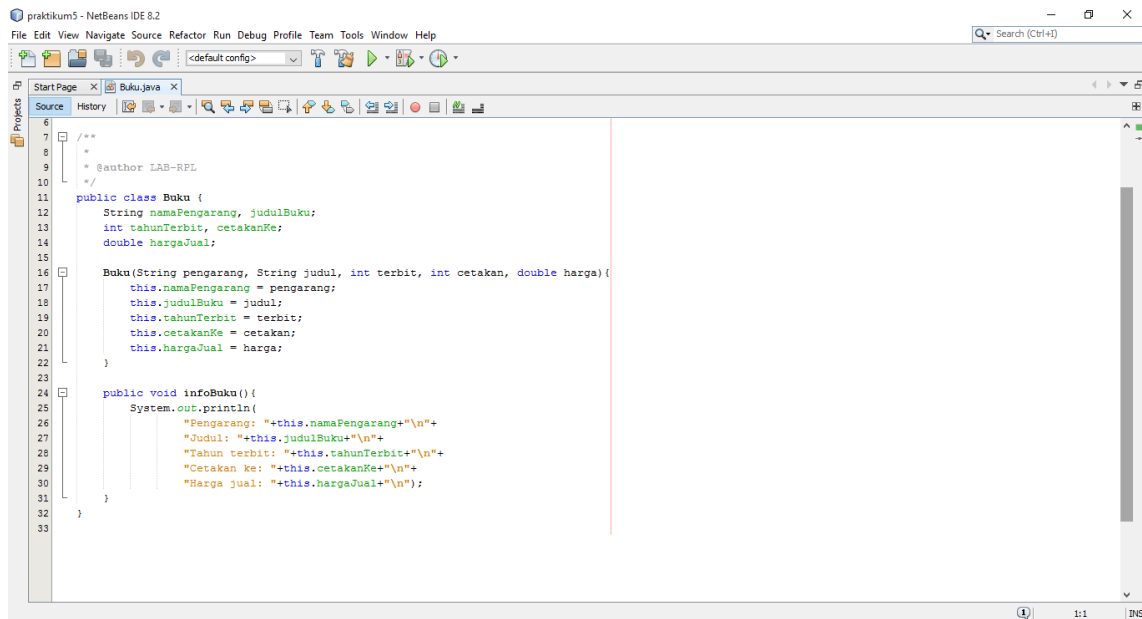


REZA MIFTAHUL RIZKI

L200170108

Latihan 5.2.1 Parameterized Constructor

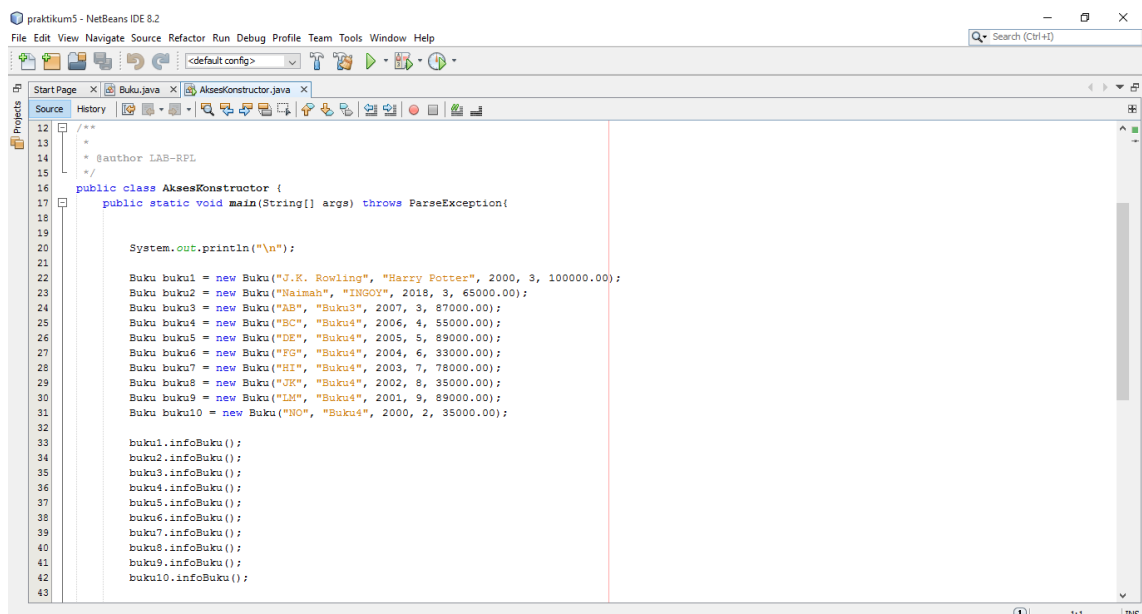
1. Class Buku yang berisi konstruktor dan variabel-variabel yang diminta, serta method untuk menampilkan.



```
praktikum5 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+F)

Buku.java
6
7 /**
8  *
9  * @author LAB-RPL
10 */
11 public class Buku {
12     String namaPengarang, judulBuku;
13     int tahunTerbit, cetakanKe;
14     double hargaJual;
15
16     Buku(String pengarang, String judul, int terbit, int cetakan, double harga) {
17         this.namaPengarang = pengarang;
18         this.judulBuku = judul;
19         this.tahunTerbit = terbit;
20         this.cetakanKe = cetakan;
21         this.hargaJual = harga;
22     }
23
24     public void infoBuku() {
25         System.out.println(
26             "Pengarang: "+this.namaPengarang+"\n"+
27             "Judul: "+this.judulBuku+"\n"+
28             "Tahun terbit: "+this.tahunTerbit+"\n"+
29             "Cetakan ke: "+this.cetakanKe+"\n"+
30             "Harga jual: "+this.hargaJual+"\n");
31     }
32 }
33
```

2. Pembuatan objek di dalam fungsi main

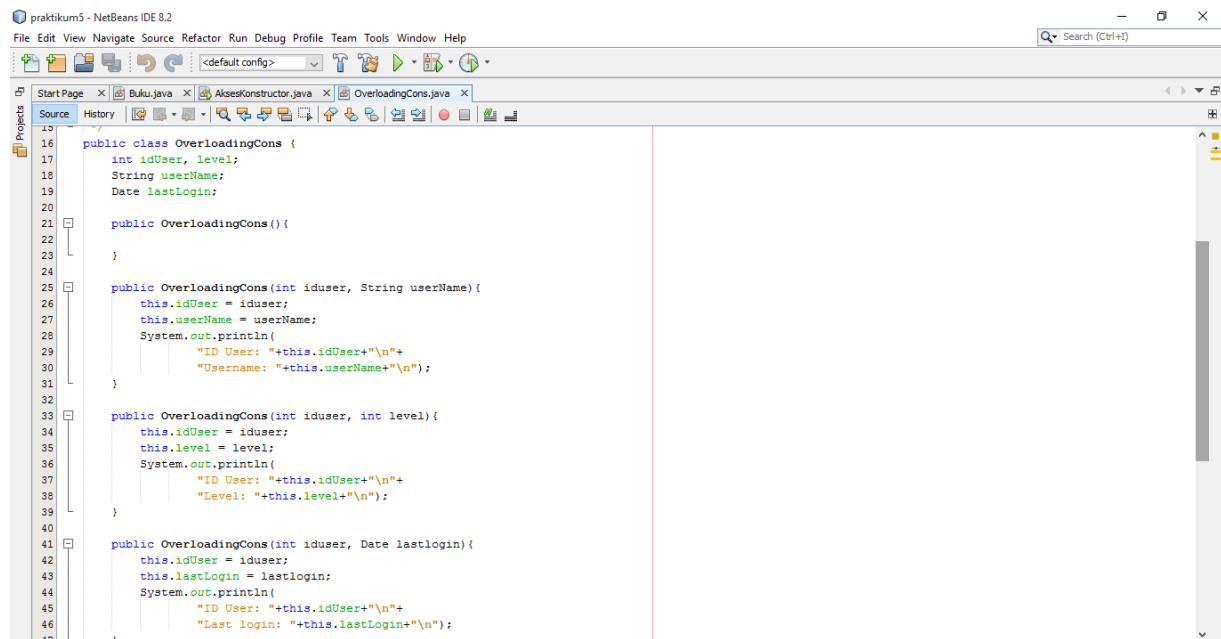


```
praktikum5 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Search (Ctrl+F)

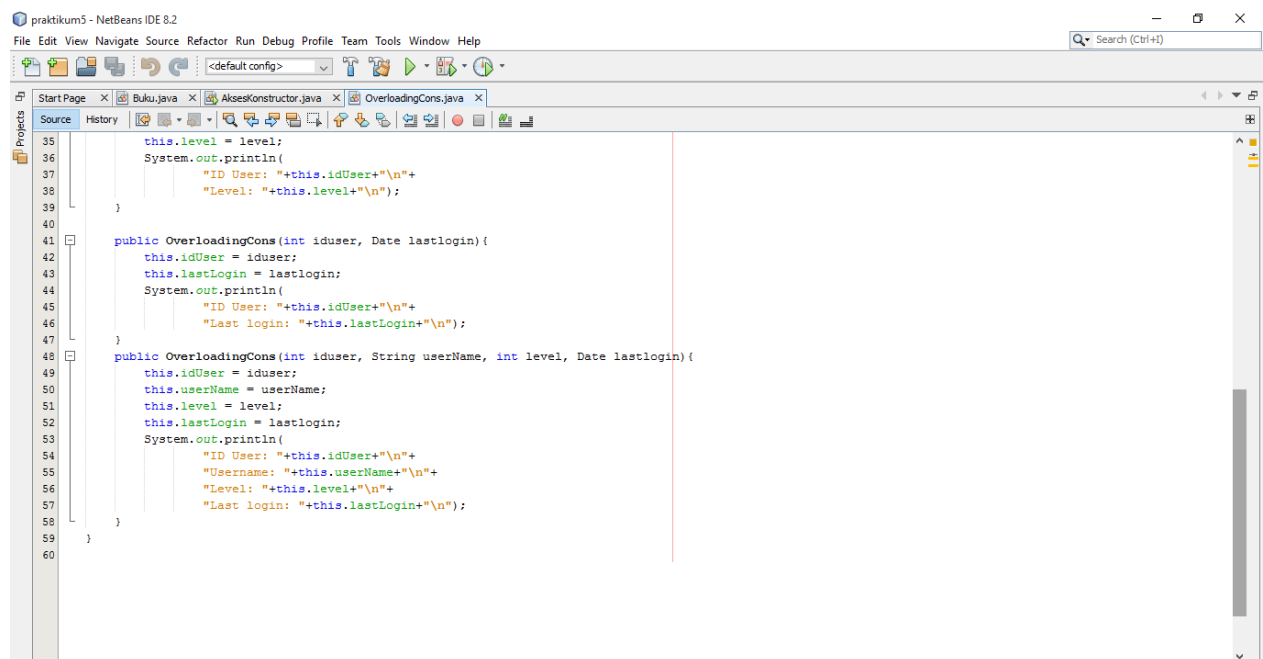
Buku.java AksesKonstruktor.java
12 /**
13  *
14  * @author LAB-RPL
15 */
16 public class AksesKonstruktor {
17     public static void main(String[] args) throws ParseException{
18
19
20         System.out.println("\n");
21
22         Buku buku1 = new Buku("J.K. Rowling", "Harry Potter", 2000, 3, 100000.00);
23         Buku buku2 = new Buku("Naimah", "INGOY", 2018, 3, 65000.00);
24         Buku buku3 = new Buku("AB", "Buku3", 2007, 3, 87000.00);
25         Buku buku4 = new Buku("BC", "Buku4", 2006, 4, 55000.00);
26         Buku buku5 = new Buku("DE", "Buku4", 2005, 5, 89000.00);
27         Buku buku6 = new Buku("FG", "Buku4", 2004, 6, 33000.00);
28         Buku buku7 = new Buku("HI", "Buku4", 2003, 7, 78000.00);
29         Buku buku8 = new Buku("JK", "Buku4", 2002, 8, 35000.00);
30         Buku buku9 = new Buku("LM", "Buku4", 2001, 9, 89000.00);
31         Buku buku10 = new Buku("NO", "Buku4", 2000, 2, 35000.00);
32
33         buku1.infoBuku();
34         buku2.infoBuku();
35         buku3.infoBuku();
36         buku4.infoBuku();
37         buku5.infoBuku();
38         buku6.infoBuku();
39         buku7.infoBuku();
40         buku8.infoBuku();
41         buku9.infoBuku();
42         buku10.infoBuku();
43     }
44 }
```

Latihan 5.3.1 Overloading Constructor

1. Memodifikasi contoh dengan menambah 3 parameter

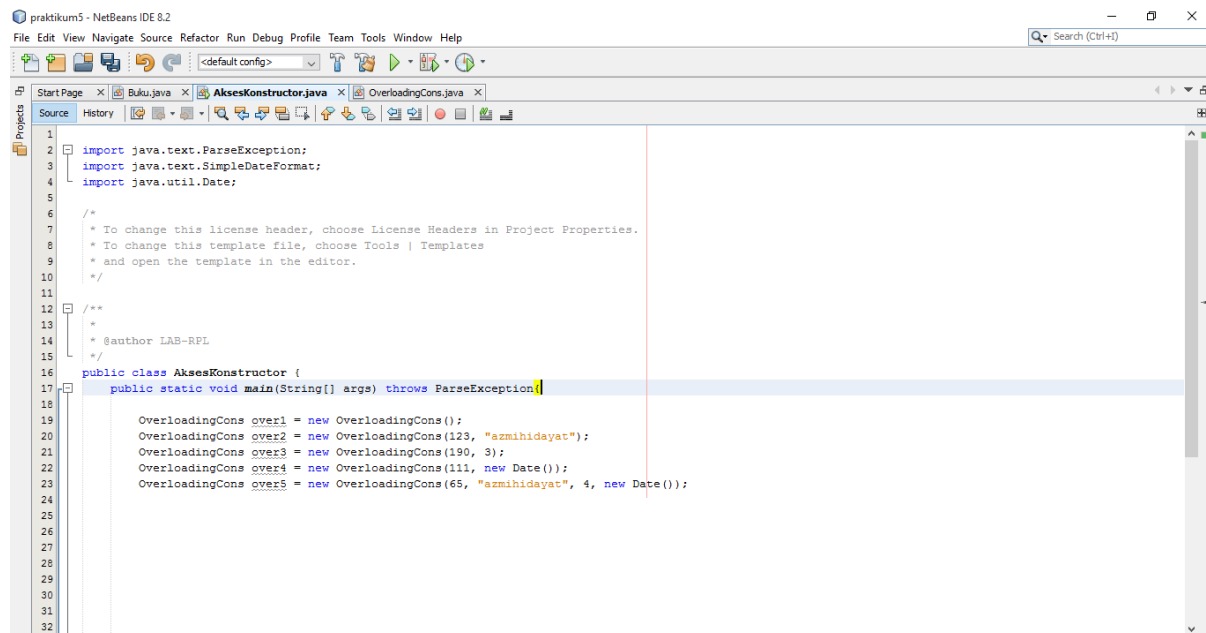


```
16 public class OverloadingCons {
17     int idUser, level;
18     String userName;
19     Date lastLogin;
20
21     public OverloadingCons () {
22     }
23
24     public OverloadingCons(int iduser, String userName) {
25         this.idUser = iduser;
26         this.userName = userName;
27         System.out.println(
28             "ID User: "+this.idUser+"\n"+
29             "Username: "+this.userName+"\n");
30     }
31
32     public OverloadingCons(int iduser, int level) {
33         this.idUser = iduser;
34         this.level = level;
35         System.out.println(
36             "ID User: "+this.idUser+"\n"+
37             "Level: "+this.level+"\n");
38     }
39
40     public OverloadingCons(int iduser, Date lastlogin) {
41         this.idUser = iduser;
42         this.lastLogin = lastlogin;
43         System.out.println(
44             "ID User: "+this.idUser+"\n"+
45             "Last login: "+this.lastLogin+"\n");
46     }
47 }
```



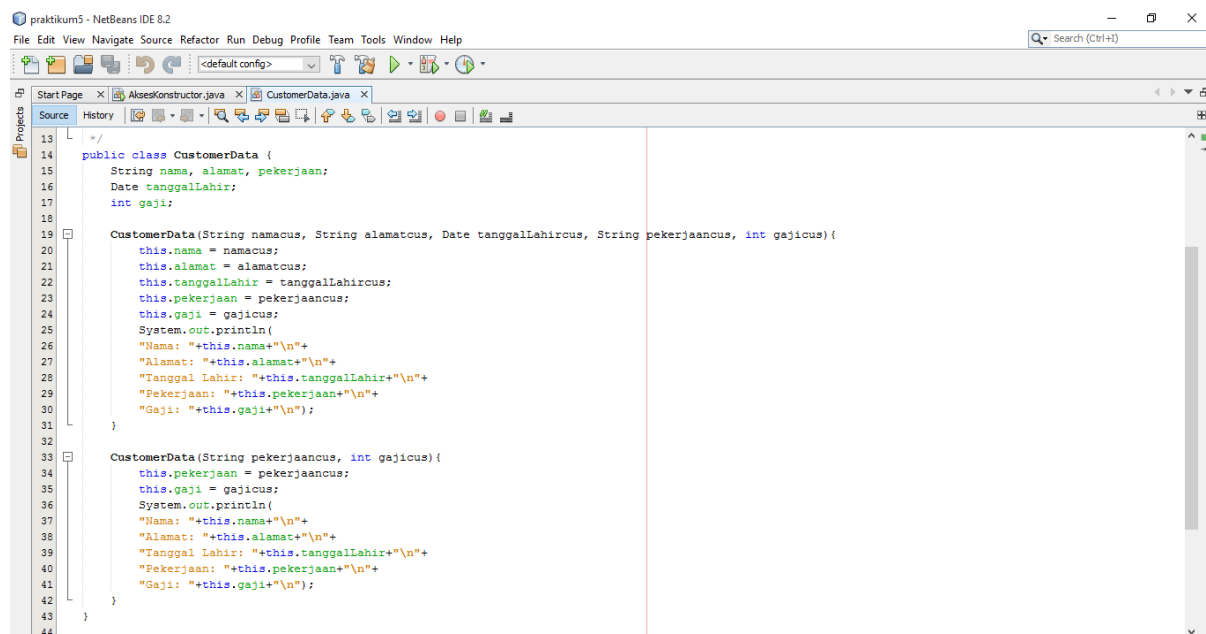
```
35     this.level = level;
36     System.out.println(
37         "ID User: "+this.idUser+"\n"+
38         "Level: "+this.level+"\n");
39 }
40
41 public OverloadingCons(int iduser, Date lastlogin) {
42     this.idUser = iduser;
43     this.lastLogin = lastlogin;
44     System.out.println(
45         "ID User: "+this.idUser+"\n"+
46         "Last login: "+this.lastLogin+"\n");
47 }
48
49 public OverloadingCons(int iduser, String userName, int level, Date lastlogin) {
50     this.idUser = iduser;
51     this.userName = userName;
52     this.level = level;
53     this.lastLogin = lastlogin;
54     System.out.println(
55         "ID User: "+this.idUser+"\n"+
56         "Username: "+this.userName+"\n"+
57         "Level: "+this.level+"\n"+
58         "Last login: "+this.lastLogin+"\n");
59 }
60
61 public static void main (String args[]) {
62     OverloadingCons o1 = new OverloadingCons();
63     OverloadingCons o2 = new OverloadingCons(1, "user");
64     OverloadingCons o3 = new OverloadingCons(1, 1);
65     OverloadingCons o4 = new OverloadingCons(1, new Date());
66     OverloadingCons o5 = new OverloadingCons(1, "user", 1, new Date());
67     o1.print();
68     o2.print();
69     o3.print();
70     o4.print();
71     o5.print();
72 }
```

2. Membuat class baru dengan method main untuk membuat objek



```
1 import java.text.ParseException;
2 import java.text.SimpleDateFormat;
3 import java.util.Date;
4
5
6
7 /*
8  * To change this license header, choose License Headers in Project Properties.
9  * To change this template file, choose Tools | Templates
10  * and open the template in the editor.
11 */
12
13 /**
14  *
15  * @author LAB-RPL
16  */
17 public class AksesKonstructor {
18     public static void main(String[] args) throws ParseException {
19
20         OverloadingCons over1 = new OverloadingCons();
21         OverloadingCons over2 = new OverloadingCons(123, "azmihidayat");
22         OverloadingCons over3 = new OverloadingCons(190, 3);
23         OverloadingCons over4 = new OverloadingCons(111, new Date());
24         OverloadingCons over5 = new OverloadingCons(65, "azmihidayat", 4, new Date());
25
26
27
28
29
30
31
32 }
```

3. Membuat class baru CustomesData, menambah variabel yang diminta, lalu buat overloading Constructor.



```
13
14 public class CustomerData {
15     String nama, alamat, pekerjaan;
16     Date tanggalLahir;
17     int gaji;
18
19     CustomerData(String namacus, String alamatcus, Date tanggalLahircus, String pekerjaancus, int gajicus) {
20         this.nama = namacus;
21         this.alamat = alamatcus;
22         this.tanggalLahir = tanggalLahircus;
23         this.pekerjaan = pekerjaancus;
24         this.gaji = gajicus;
25         System.out.println(
26             "Nama: "+this.nama+"\n"+
27             "Alamat: "+this.alamat+"\n"+
28             "Tanggal Lahir: "+this.tanggalLahir+"\n"+
29             "Pekerjaan: "+this.pekerjaan+"\n"+
30             "Gaji: "+this.gaji+"\n");
31     }
32
33     CustomerData(String pekerjaancus, int gajicus) {
34         this.pekerjaan = pekerjaancus;
35         this.gaji = gajicus;
36         System.out.println(
37             "Nama: "+this.nama+"\n"+
38             "Alamat: "+this.alamat+"\n"+
39             "Tanggal Lahir: "+this.tanggalLahir+"\n"+
40             "Pekerjaan: "+this.pekerjaan+"\n"+
41             "Gaji: "+this.gaji+"\n");
42     }
43 }
44
```

4. Membuat class baru dengan method main dan membuat 10 objek dari class CustomerData.

