Posttest 3 PBO

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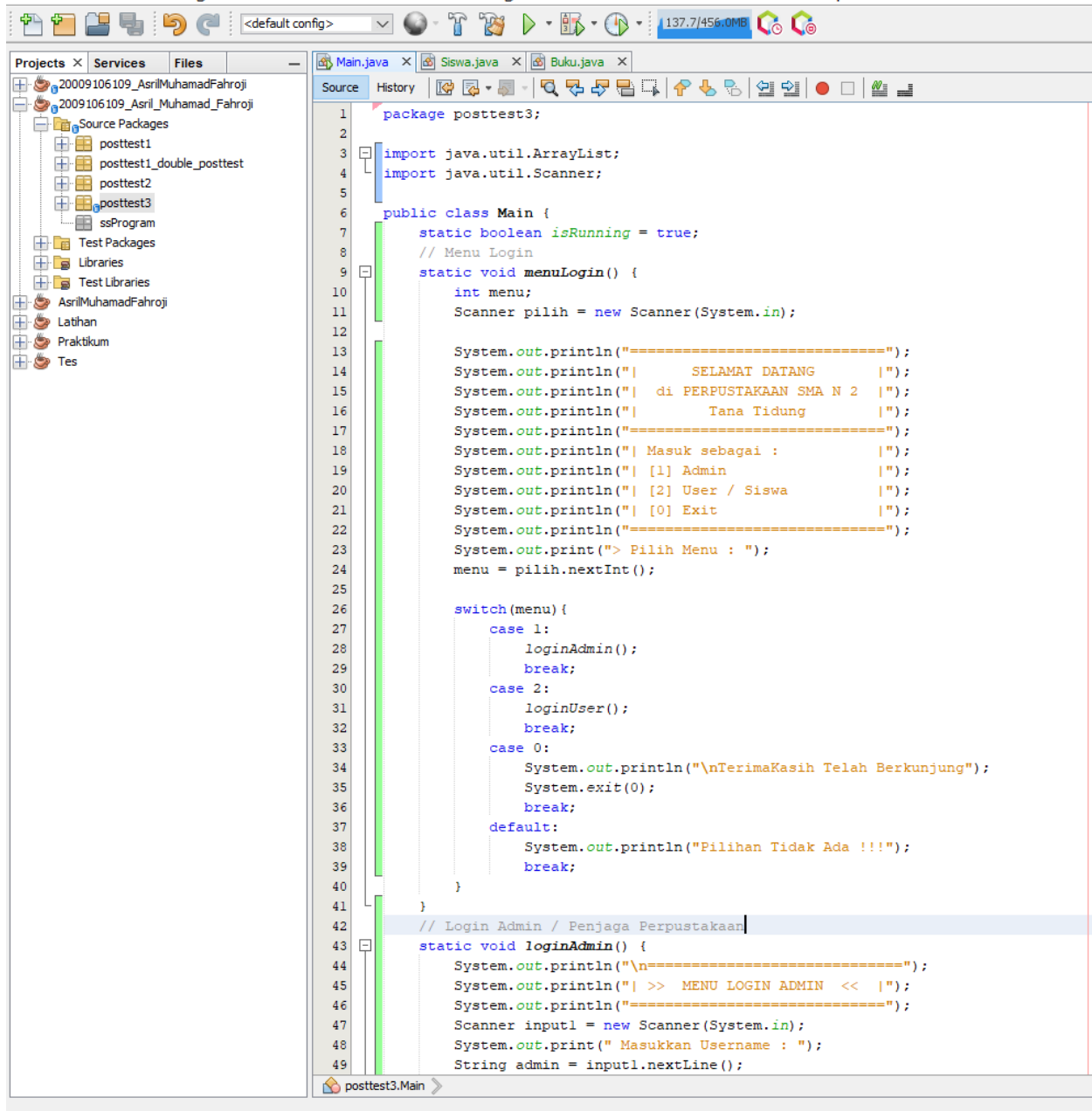
2009106109

Informatika C-20

Main.java :

Projects ×   Services   Files

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- AsrilMuhamadFahroji
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Main.java ×   Siswa.java ×   Buku.java ×

Source   History

```java
50          System.out.print(" Masukkan Password : ");
51          int ktsandi = input1.nextInt();
52          if(admin.equals("admin123") && ktsandi == 101010){
53              menuAdmin();
54          } else {
55              System.out.println("\nUsername & Password salah !!!");
56              loginAdmin();
57          }
58      }
59      // Login User / Siswa
60      static void loginUser() {
61          ArrayList uname = new ArrayList(); //uname = nama siswa
62          ArrayList pword = new ArrayList(); //pword = nomor induk siswa
63
64          System.out.println("\n===========================");
65          System.out.println("| >>  MENU LOGIN SISWA  << |");
66          System.out.println("===========================");
67          Scanner input2 = new Scanner(System.in);
68          System.out.print("| Masukkan Nama : ");
69          uname.add(input2.nextLine());
70          System.out.print("| Masukkan NISN : ");
71          pword.add(input2.nextInt());
72          if(uname.equals(uname) && pword.equals(pword)){
73              menuUser();
74          } else {
75              System.out.println("\nLogin Tidak Berhasil !!!");
76              loginUser();
77          }
78      }
79      // Menu Utama Admin
80      static void menuAdmin() {
81          int crudB;
82          Scanner crudb = new Scanner(System.in);
83          System.out.println("\n===========================");
84          System.out.println("| >>  MENU UTAMA ADMIN  << |");
85          System.out.println("===========================");
86          System.out.println("| [1] CRUD Buku Kelas X     |");
87          System.out.println("| [2] CRUD Buku Kelas XI    |");
88          System.out.println("| [3] CRUD Buku Kelas XII   |");
89          System.out.println("| [4] Daftar Pengunjung     |");
90          System.out.println("| [0] Exit                  |");
91          System.out.println("===========================");
92          System.out.print("> Pilih Menu : ");
93          crudB = crudb.nextInt();
94          switch(crudB) {
95              case 1:
96                  crudX();
97                  break;
98              case 2:
```

posttest3.Main

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Projects ×   Services   Files

Main.java ×   Siswa.java ×   Buku.java ×

Source   History

```java
99              crudXI();
100              break;
101          case 3:
102              crudXII();
103              break;
104          case 4:
105              siswa();
106              break;
107          case 0:
108              System.out.println("\nTerimakasih Telah Berkunjung");
109              System.exit(0);
110              break;
111          default:
112              System.out.println("Menu Tidak Ada !!!");
113              menuAdmin();
114              break;
115          }
116      }
117      // Menu Utama User
118      static void menuUser() {
119          int menu;
120          Scanner siswa = new Scanner(System.in);
121          System.out.println("\n============================");
122          System.out.println("| >>  MENU UTAMA SISWA  << |");
123          System.out.println("============================");
124          System.out.println("| [1] Buku Kelas X         |");
125          System.out.println("| [2] Buku Kelas XI        |");
126          System.out.println("| [3] Buku Kelas XII       |");
127          System.out.println("| [0] Exit                 |");
128          System.out.println("============================");
129          System.out.print("> Pilih Menu : ");
130          menu = siswa.nextInt();
131          switch(menu) {
132              case 1:
133                  kelasX();
134                  bacapinjam();
135                  break;
136              case 2:
137                  kelasXI();
138                  bacapinjam();
139                  break;
140              case 3:
141                  kelasXII();
142                  bacapinjam();
143                  break;
144              case 0:
145                  System.out.println("\nTerimakasih Telah Berkunjung");
146                  System.exit(0);
147                  break;
```

posttest3.Main

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Siswa.java ×   Buku.java ×   Main.java ×

Source History

```java
148            default:
149                System.out.println("Menu Tidak Ada !!!");
150                menuUser();
151                break;
152        }
153    }
154    // CRUD Buku Kelas X
155    static void crudX() {
156        int no1;
157        ArrayList kelasX = new ArrayList();
158        // Read Buku Kelas X
159        System.out.println("\n============================");
160        System.out.println("| Daftar Buku Kelas X :      |");
161        System.out.println("============================");
162        kelasX.add("Biologi");
163        kelasX.add("Fisika");
164        kelasX.add("Kimia");
165        for(int i = 0; i < kelasX.size(); i++) {
166            System.out.println(kelasX.get(i));
167        } System.out.println("============================");
168        // Create Buku Kelas XS
169        System.out.println("\nTambah Buku Baru");
170        Scanner bukuX = new Scanner(System.in);
171        System.out.print("Masukkan Judul Buku : ");
172        kelasX.add(bukuX.nextLine());
173        // Update Buku Kelas X
174        Buku edit = new Buku("", 0, 0, "");
175        System.out.println("\nEdit Buku");
176        Scanner index = new Scanner(System.in);
177        System.out.print("Masukkan No. Buku : ");
178        no1 = index.nextInt();
179        System.out.print("Masukkan Judul Baru : ");
180        kelasX.set(no1, bukuX.nextLine());
181        Scanner ubahKategori = new Scanner(System.in);
182        System.out.print("Kategori Buku Baru  : ");
183        edit.setKategoriBuku(ubahKategori.nextInt());
184        Scanner ubahWarna = new Scanner(System.in);
185        System.out.print("Warna Buku Baru     : ");
186        edit.setWarnaBuku(ubahWarna.nextLine());
187        // Hapus Buku Kelas X
188        System.out.println("\nHapus Buku");
189        System.out.print("Masukkan Judul Buku : ");
190        kelasX.remove(bukuX.nextLine());
191        // Setelah di CRUD
192        System.out.println("\n============================");
193        System.out.println("| Data Buku setelah di CRUD |");
194        System.out.println("============================");
195        kelasX.forEach(buku -> {
196            System.out.println(buku+" Kelas "+edit.getKategoriBuku()
```

Siswa.java × | Buku.java × | Main.java ×

Source | History

```java
197                    +" ("+edit.getWarnaBuku()+")");
198            });
199            System.out.println("============================");
200            menuAdmin();
201        }
202        // CRUD Buku Kelas XI
203        static void crudXI() {
204            int no2;
205            ArrayList kelasXI = new ArrayList();
206            // Read Buku Kelas XI
207            System.out.println("\n============================");
208            System.out.println("| Daftar Buku Kelas XI :    |");
209            System.out.println("============================");
210            kelasXI.add("Ekonomi");
211            kelasXI.add("Gegografi");
212            kelasXI.add("Sosiologi");
213            for(int i = 0; i < kelasXI.size(); i++) {
214                System.out.println(kelasXI.get(i));
215            } System.out.println("============================");
216            // Create Buku Kelas XI
217            System.out.println("\nTambah Buku Baru");
218            Scanner bukuXI = new Scanner(System.in);
219            System.out.print("Masukkan Judul Buku : ");
220            kelasXI.add(bukuXI.nextLine());
221            // Update Buku Kelas XI
222            Buku edit = new Buku("", 0, 0, "");
223            System.out.println("\nEdit Buku");
224            Scanner index = new Scanner(System.in);
225            System.out.print("Masukkan No. Buku : ");
226            no2 = index.nextInt();
227            System.out.print("Masukkan Judul Baru : ");
228            kelasXI.set(no2, bukuXI.nextLine());
229            Scanner ubahKategori = new Scanner(System.in);
230            System.out.print("Kategori Buku Baru  : ");
231            edit.setKategoriBuku(ubahKategori.nextInt());
232            Scanner ubahWarna = new Scanner(System.in);
233            System.out.print("Warna Buku Baru     : ");
234            edit.setWarnaBuku(ubahWarna.nextLine());
235            // Hapus Buku Kelas XI
236            System.out.println("\nHapus Buku");
237            System.out.print("Masukkan Judul Buku : ");
238            kelasXI.remove(bukuXI.nextLine());
239            // Setelah di CRUD
240            System.out.println("\n============================");
241            System.out.println("| Data Buku setelah di CRUD |");
242            System.out.println("============================");
243            kelasXI.forEach(buku -> {
244                System.out.println(buku+" Kelas "+edit.getKategoriBuku()
                        +" ("+edit.getWarnaBuku()+")");
```

posttest3.Main > | crudXI >

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Siswa.java ×   Buku.java ×   Main.java ×

Source History

```java
246             });
247             System.out.println("=============================");
248             menuAdmin();
249         }
250         // CRUD Buku Kelas XII
251         static void crudXII() {
252             int no3;
253             ArrayList kelasXII = new ArrayList();
254             // Read Buku Kelas XII
255             System.out.println("\n=============================");
256             System.out.println("Daftar Buku Kelas XII :");
257             System.out.println("=============================");
258             kelasXII.add("Matematika Kelas XII");
259             kelasXII.add("Bahasa Inggris Kelas XII");
260             kelasXII.add("Seni Budaya Kelas XII");
261             for(int i = 0; i < kelasXII.size(); i++) {
262                 System.out.println(kelasXII.get(i));
263             } System.out.println("=============================");
264             // Create Buku Kelas XII
265             System.out.println("\nTambah Buku Baru");
266             Scanner bukuXII = new Scanner(System.in);
267             System.out.print("Masukkan Judul Buku : ");
268             kelasXII.add(bukuXII.nextLine());
269             // Update Buku Kelas XII
270             Buku edit = new Buku("", 0, 0, "");
271             System.out.println("\nEdit Buku");
272             Scanner index = new Scanner(System.in);
273             System.out.print("Masukkan No. Buku : ");
274             no3 = index.nextInt();
275             System.out.print("Masukkan Judul Baru : ");
276             kelasXII.set(no3, bukuXII.nextLine());
277             Scanner ubahKategori = new Scanner(System.in);
278             System.out.print("Kategori Buku Baru  : ");
279             edit.setKategoriBuku(ubahKategori.nextInt());
280             Scanner ubahWarna = new Scanner(System.in);
281             System.out.print("Warna Buku Baru     : ");
282             edit.setWarnaBuku(ubahWarna.nextLine());
283             // Hapus Buku Kelas XII
284             System.out.println("\nHapus Buku");
285             System.out.print("Masukkan Judul Buku : ");
286             kelasXII.remove(bukuXII.nextLine());
287             // Setelah di CRUD
288             System.out.println("\n=============================");
289             System.out.println("| Data Buku setelah di CRUD |");
290             System.out.println("=============================");
291             kelasXII.forEach(buku -> {
292                 System.out.println(buku+" Kelas "+edit.getKategoriBuku()
293                         +" ("+edit.getWarnaBuku()+")");
294             });
```

posttest3.Main >   crudXII >

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Siswa.java ×   Buku.java ×   Main.java ×

Source   History

```java
295         System.out.println("===========================");
296         menuAdmin();
297     }
298     // Daftar Buku Kelas X
299     static void kelasX() {
300         ArrayList kelasX = new ArrayList();
301         kelasX.add("| Biologi Kelas X");
302         kelasX.add("| Fisika Kelas X");
303         kelasX.add("| Kimia Kelas X");
304         System.out.println("===========================");
305         System.out.println("|     Daftar Buku Kelas X     |");
306         System.out.println("===========================");
307         for(int i = 0; i < kelasX.size(); i++) {
308             System.out.println(kelasX.get(i));
309         } System.out.println("===========================");
310     }
311     // Daftar Buku Kelas XI
312     static void kelasXI() {
313         ArrayList kelasXI = new ArrayList();
314         kelasXI.add("| Ekonomi Kelas XI");
315         kelasXI.add("| Geografi Kelas XI");
316         kelasXI.add("| Sejarah Kelas XI");
317         System.out.println("===========================");
318         System.out.println("|     Daftar Buku Kelas XI     |");
319         System.out.println("===========================");
320         for(int i = 0; i < kelasXI.size(); i++) {
321             System.out.println(kelasXI.get(i));
322         } System.out.println("===========================");
323     }
324     // Daftar Buku Kelas XII
325     static void kelasXII() {
326         ArrayList kelasXII = new ArrayList();
327         kelasXII.add("| Matematika Kelas XII");
328         kelasXII.add("| PPkn Kelas XII");
329         kelasXII.add("| Seni Budaya Kelas XII");
330         System.out.println("===========================");
331         System.out.println("|     Daftar Buku Kelas XII     |");
332         System.out.println("===========================");
333         for(int i = 0; i < kelasXII.size(); i++) {
334             System.out.println(kelasXII.get(i));
335         } System.out.println("===========================");
336     }
337     // Menu Baca & Pinjam Buku
338     static void bacapinjam() {
339         System.out.println("1. Baca buku");
340         System.out.println("2. Pinjam buku");
341         Scanner pilih = new Scanner(System.in);
342         System.out.print("> Pilih : ");
343         int menu = pilih.nextInt();
```

posttest3.Main   bacapinjam   menu

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Siswa.java   Buku.java   Main.java

Source   History

```java
344         switch(menu) {
345             case 1:
346                 bacaBuku();
347                 menuUser();
348                 break;
349             case 2:
350                 pinjamBuku();
351                 menuUser();
352                 break;
353             default:
354                 System.out.println("Input salah");
355                 bacapinjam();
356                 break;
357         }
358     }
359     // Method Baca Buku
360     static void bacaBuku() {
361         Siswa nama = new Siswa("", 0, 0);
362         Buku baca = new Buku("", 0, 0, "");
363         Scanner nSiswa = new Scanner(System.in);
364         System.out.print("Nama siswa : ");
365         nama.setNama(nSiswa.nextLine());
366         Scanner kBuku = new Scanner(System.in);
367         System.out.print("Kode buku  : ");
368         baca.setKodeBuku(kBuku.nextInt());
369         Scanner nBuku = new Scanner(System.in);
370         System.out.print("Nama buku  : ");
371         baca.setNamaBuku(nBuku.nextLine());
372         Scanner jBuku = new Scanner(System.in);
373         System.out.print("Buku kelas : ");
374         baca.setKategoriBuku(jBuku.nextInt());
375         Scanner wBuku = new Scanner(System.in);
376         System.out.print("Warna buku : ");
377         baca.setWarnaBuku(wBuku.nextLine());
378
379         System.out.println("\n============================");
380         System.out.println("| Nama siswa : "+nama.getNama());
381         System.out.println("| Kode buku  : "+baca.getKodeBuku());
382         System.out.println("| Nama buku  : "+baca.getNamaBuku());
383         System.out.println("| Buku kelas : "+baca.getKategoriBuku());
384         System.out.println("| Warna buku : "+baca.getWarnaBuku());
385         System.out.println("============================");
386     }
387     // Method Pinjam Buku
388     static void pinjamBuku() {
389         Siswa siswa = new Siswa("", 0, 0);
390         Buku pinjam = new Buku("", 0, 0, "");
391         Scanner namaS = new Scanner(System.in);
392         System.out.print("Masukkan Nama siswa : ");
```

posttest3.Main   pinjamBuku

```java
392          System.out.print("Masukkan Nama siswa : ");
393          siswa.setNama(namaS.nextLine());
394          Scanner nisnS = new Scanner(System.in);
395          System.out.print("Masukkan NISN siswa : ");
396          siswa.setNisn(nisnS.nextInt());
397          Scanner kBuku = new Scanner(System.in);
398          System.out.print("Masukkan Kode buku  : ");
399          pinjam.setKodeBuku(kBuku.nextInt());
400          Scanner nBuku = new Scanner(System.in);
401          System.out.print("Masukkan Nama buku  : ");
402          pinjam.setNamaBuku(nBuku.nextLine());
403          Scanner jBuku = new Scanner(System.in);
404          System.out.print("Masukkan Buku kelas : ");
405          pinjam.setKategoriBuku(jBuku.nextInt());
406          Scanner wBuku = new Scanner(System.in);
407          System.out.print("Masukkan Warna buku : ");
408          pinjam.setWarnaBuku(wBuku.nextLine());
409
410          System.out.println("\n=============================");
411          System.out.println("| Nama siswa : "+siswa.getNama());
412          System.out.println("| NISN siswa : "+siswa.getNisn());
413          System.out.println("| Kode buku  : "+pinjam.getKodeBuku());
414          System.out.println("| Nama buku  : "+pinjam.getNamaBuku());
415          System.out.println("| Buku kelas : "+pinjam.getKategoriBuku());
416          System.out.println("| Warna buku : "+pinjam.getWarnaBuku());
417          System.out.println("=============================");
418      }
419      // List Pengunjung Perpustakaan
420      static void siswa() {
421          Siswa baru = new Siswa("", 0, 0);
422          baru.setNama("Asril");
423          baru.setNisn(100502);
424          baru.setKelas(10);
425
426          System.out.println("=============================");
427          System.out.println("|   Daftar Nama Pengunjung   |");
428          System.out.println("=============================");
429          System.out.println("Nama Siswa  : "+baru.getNama());
430          System.out.println("NISN        : "+baru.getNisn());
431          System.out.println("Kelas       : "+baru.getKelas());
432          System.out.println();
433          menuAdmin();
434      }
435      public static void main(String[] args) {
436          do {
437              menuLogin();
438          } while(isRunning);
439      }
440  }
```

posttest3.Main

Siswa.java :

Buku.java :