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## POSTTEST 5 PEMROGRAMAN BERORIENTASI OBJEK

## INSTRUKSI

Lanjutkan project posttest sebelumnya, buat folder baru Posttest5 dan copy file posttest sebelumnya ke folder baru (jika memang tidak ubah judul).

Sertakan SS program dalam bentuk pdf

## INSTRUKSI PADA PROGRAM JAVA

Instruksi pada posttest sebelumnya tetap wajib diterapkan pada posttest ini.

## Final

- Terapkan keyword final pada program kalian sebelumnya  
( Satu untuk class , satu untuk atribut variable dan satu untuk method )  
Catatan: boleh menggunakan property yang ada atau buat property baru

## Abstract

- Ubah kelas Parent/Super pada inheritance program kalian menjadi Kelas Abstrak / Abstract class
- Jadikan method pada superclass yang di override oleh pewaris(child/sub) menjadi abstract method

**Catatan: boleh menggunakan method yang ada atau buat method baru**

## 1. Ss Program

**a. Add data perusahaan baru**

```
=====
MENU
=====
=
= [1] Read Asset
= [2] Add Asset
= [3] Update Asset
= [4] Delete Asset
= [5] Exit
=====

Pilih Menu: [1/2/3/4/5]
2

=====
ADD DATA
=====
=
= [1] Data Perusahaan Baru
= [2] Data Perusahaan Lama
= [3] Exit
=====

Pilih Menu: [1/2]
1
Nama Barang : Komputer
Lokasi      : Ruang B
ID Barang   : 1201
Kuantitas   : 2
Harga       : 100000000
Tanggkal    : 120507
```

**b. Add data perusahaan lama**

```

=====
=                                     MENU                                     =
=====
=                                     [1] Read Asset                         =
=                                     [2] Add Asset                          =
=                                     [3] Update Asset                       =
=                                     [4] Delete Asset                      =
=                                     [5] Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
2

=====
=                                     ADD DATA                             =
=====
=                                     [1] Data Perusahaan Baru              =
=                                     [2] Data Perusahaan Lama              =
=                                     [3] Exit                             =
=====
Pilih Menu: [1/2]
2
Nama Barang   : Proyektor
Lokasi        : Ruang C
ID Barang     : 1301
Kuantitas     : 2
Harga         : 1000000
Tanggal       : 130810

```

## C. Read data perusahaan baru

### a.Read data lengkap

```

=====
=                                     MENU                                     =
=====
=                                     [1] Read Asset                         =
=                                     [2] Add Asset                          =
=                                     [3] Update Asset                       =
=                                     [4] Delete Asset                      =
=                                     [5] Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
1

=====
=                                     READ DATA ASSET                     =
=====
=                                     [1] Data Perusahaan Baru              =
=                                     [2] Data Perusahaan Lama              =
=                                     [3] Exit                             =
=====
Pilih Menu: [1/2/3]
1

=====
=                                     READ DATA ASSET                     =
=====
=                                     [1] Tampil Data Lengkap               =
=                                     [2] Tampil Data Tanpa Tanggal         =
=                                     [3] Exit                             =
=====
Pilih Menu: [1/2]
1

=====
| ID BARANG | NAMA BARANG | Kuantitas | Harga |
=====
| 1201      | Komputer    | 2         | 10000000 |
=====

Tanggal Penerimaan Barang : 120923
Tanggal Penyimpanan Barang: Ruang B

```

### b.Read data tanpa tanggal

```

=====
=                                     =
=                                     MENU                                     =
=                                     =
=                                     (1) Read Asset                         =
=                                     (2) Add Asset                         =
=                                     (3) Update Asset                      =
=                                     (4) Delete Asset                     =
=                                     (5) Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
1

=====
=                                     =
=                                     READ DATA ASSET                      =
=                                     =
=                                     (1) Data Perusahaan Baru              =
=                                     (2) Data Perusahaan Lama              =
=                                     (3) Exit                             =
=====
Pilih Menu: [1/2/3]
1

=====
=                                     =
=                                     READ DATA ASSET                      =
=                                     =
=                                     (1) Tampil Data Lengkap                =
=                                     (2) Tampil Data Tanpa Tanggal         =
=                                     (3) Exit                             =
=====
Pilih Menu: [1/2]
2

=====
| ID BARANG | NAMA BARANG | Kuantitas | Harga |
| 1201     | Komputer   | 2         | 10000000 |

```

## D. Read data perusahaan lama

### a.Read data lengkap

```

=====
=                                     =
=                                     MENU                                     =
=                                     =
=                                     (1) Read Asset                         =
=                                     (2) Add Asset                         =
=                                     (3) Update Asset                      =
=                                     (4) Delete Asset                     =
=                                     (5) Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
1

=====
=                                     =
=                                     READ DATA ASSET                      =
=                                     =
=                                     (1) Data Perusahaan Baru              =
=                                     (2) Data Perusahaan Lama              =
=                                     (3) Exit                             =
=====
Pilih Menu: [1/2/3]
2

=====
=                                     =
=                                     READ DATA ASSET                      =
=                                     =
=                                     (1) Tampil Data Lengkap                =
=                                     (2) Tampil Data Tanpa Tanggal         =
=                                     (3) Exit                             =
=====
Pilih Menu: [1/2/3]
1

=====
| ID BARANG | NAMA BARANG | Kuantitas | Harga |
| 1201     | Proyektor  | 2         | 10000000 |
Tanggal Penerimaan Barang : 120810
Tanggal Penyimpanan Barang: Ruang C

```

### b.Read data tanpa tanggal

```

=====
=                                     =
=                                     MENU                                     =
=====
=                                     =
=                                     (1) Read Asset                         =
=                                     (2) Add Asset                         =
=                                     (3) Update Asset                      =
=                                     (4) Delete Asset                     =
=                                     (5) Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
1

=====
=                                     =
=                                     READ DATA ASSET                       =
=====
=                                     =
=                                     (1) Data Perusahaan Baru              =
=                                     (2) Data Perusahaan Lama             =
=                                     (3) Exit                             =
=====
Pilih Menu: [1/2/3]
2

=====
=                                     =
=                                     READ DATA ASSET                       =
=====
=                                     =
=                                     (1) Tampil Data Lengkap               =
=                                     (2) Tampil Data Tanpa Tanggal        =
=                                     (3) Exit                             =
=====
Pilih Menu: [1/2/3]
2

=====
| ID BARANG | NAMA BARANG | LOKASI | Kuantitas | HARGA |
| 1301 | Proyektor | Ruang C | 2 | 1000000 |

```

## E. Update data perusahaan baru

```

=====
=                                     =
=                                     MENU                                     =
=====
=                                     =
=                                     (1) Read Asset                         =
=                                     (2) Add Asset                         =
=                                     (3) Update Asset                      =
=                                     (4) Delete Asset                     =
=                                     (5) Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
3

=====
=                                     =
=                                     UPDATE DATA                           =
=====
=                                     =
=                                     (1) Data Perusahaan Baru              =
=                                     (2) Data Perusahaan Lama             =
=                                     (3) Exit                             =
=====
Pilih Menu: [1/2]
1

1. Nama Barang : Komputer

=====
Choose Name : Komputer
=====
=                                     =
=                                     ADDING NEW DATA                     =
=====
Nama Barang : Laptop
Lokasi : Ruang B
Id Barang : 1302
Kuantitas : 1
Harga : 8000000
Tanggal : 010222

=====
=                                     UPDATE DATA SUCCSES                 =
=====

```

## F. Update data perusahaan lama

```

=====
=                                     MENU                                     =
=====
=                                     [1] Read Asset                         =
=                                     [2] Add Asset                         =
=                                     [3] Update Asset                       =
=                                     [4] Delete Asset                      =
=                                     [5] Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
3

=====
=                                     UPDATE DATA                         =
=====
=                                     [1] Data Perusahaan Baru              =
=                                     [2] Data Perusahaan Lama              =
=                                     [3] Exit                             =
=====
Pilih Menu: [1/2]
2

=====
1.      Nama Barang   : Proyektor

=====
Choose Name   : Proyektor
=====
=                                     ADDING NEW DATA                     =
=====
Nama Barang   : Speaker
Lokasi       : Ruang C
Id Barang    : 1304
Kuantitas    : 3
Harga       : 1500000
Tanggal     : 100712
=====
=                                     UPDATE DATA SUCCSES                     =
=====

```

## G. Delete data perusahaan baru

```

=====
=                                     MENU                                     =
=====
=                                     [1] Read Asset                         =
=                                     [2] Add Asset                         =
=                                     [3] Update Asset                       =
=                                     [4] Delete Asset                      =
=                                     [5] Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
4

=====
=                                     DELETE DATA                         =
=====
=                                     [1] Data Perusahaan Baru              =
=                                     [2] Data Perusahaan Lama              =
=                                     [3] Exit                             =
=====
Pilih Menu: [1/2]
1

=====
1.      Nama Barang   : Laptop

=====
Choose Name   : Laptop
=====
=                                     DELETE DATA SUCCSES                     =
=====

```

## H. Delete data perusahaan lama

```

=====
=                                     MENU                                     =
=====
=                                     [1] Read Asset                         =
=                                     [2] Add Asset                         =
=                                     [3] Update Asset                       =
=                                     [4] Delete Asset                      =
=                                     [5] Exit                             =
=====
Pilih Menu: [1/2/3/4/5]
4

=====
=                                     DELETE DATA                         =
=====
=                                     [1] Data Perusahaan Baru              =
=                                     [2] Data Perusahaan Lama              =
=                                     [3] Exit                             =
=====
Pilih Menu: [1/2]
2

=====
1.      Nama Barang   : Speaker

=====
Choose Name   : Speaker
=====
=                                     DELETE DATA SUCCSES                     =
=====

```

## I. Exit

```
===== MENU =====  
"  
" [1] Read Asset "  
" Add Asset "  
" [2] Update Asset "  
" Delete Asset "  
" [5] Exit "  
=====
```

Pilih Menu: [1/2/3/4/5]  
5

```
===== EXIT PROGRAM... =====
```