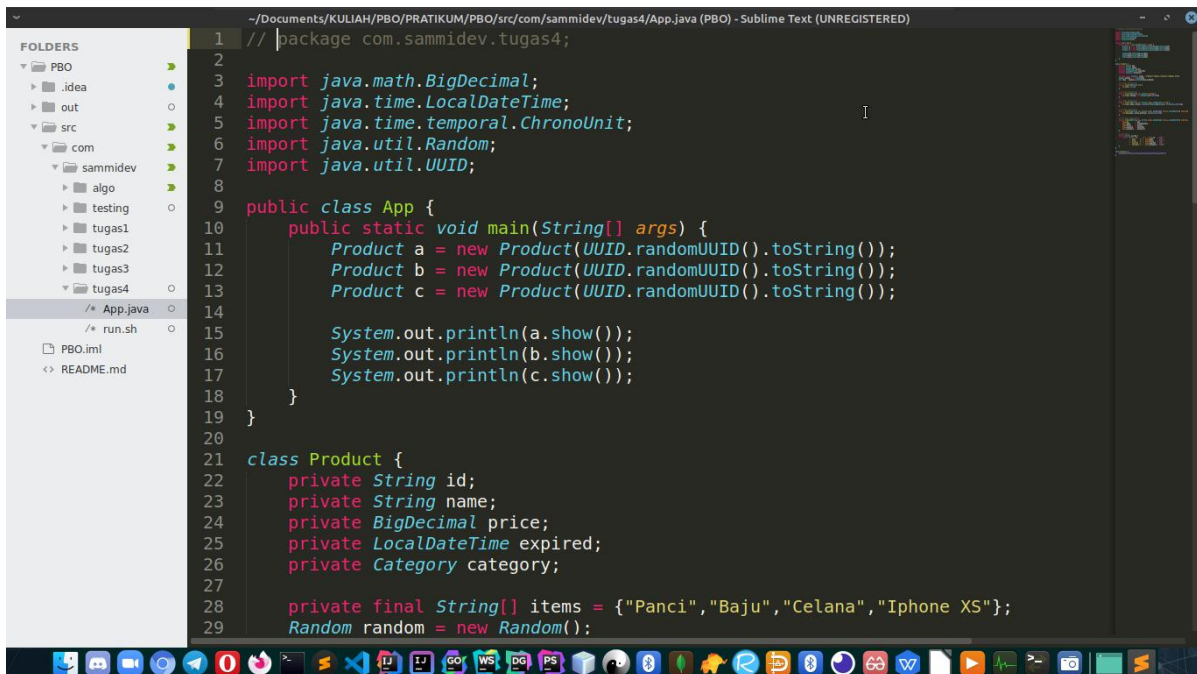


Nama : Sammi Aldhi Yanto
NIM : 2003113948
Jurusan/Prodi/Kelas : Ilmu Komputer/Sistem Informasi/A
Mata Kuliah : Pemrograman Berorientasi Objek
Dosen Pengampu : Al Aminuddin, ST, MSc
Tugas : 4

Source code tugas:

<https://github.com/SemmiDev/PBO/blob/master/src/com/sammidev/tugas4/App.java>



```
1 // package com.sammidev.tugas4;
2
3 import java.math.BigDecimal;
4 import java.time.LocalDateTime;
5 import java.time.temporal.ChronoUnit;
6 import java.util.Random;
7 import java.util.UUID;
8
9 public class App {
10     public static void main(String[] args) {
11         Product a = new Product(UUID.randomUUID().toString());
12         Product b = new Product(UUID.randomUUID().toString());
13         Product c = new Product(UUID.randomUUID().toString());
14
15         System.out.println(a.show());
16         System.out.println(b.show());
17         System.out.println(c.show());
18     }
19 }
20
21 class Product {
22     private String id;
23     private String name;
24     private BigDecimal price;
25     private LocalDateTime expired;
26     private Category category;
27
28     private final String[] items = {"Panci", "Baju", "Celana", "Iphone XS"};
29     Random random = new Random();
```

```
~/Documents/KULIAH/PBO/PRATIUM/PBO/src/com/sammidev/tugas4/App.java (PBO) - Sublime Text (UNREGISTERED)

FOLDERS
PBO
├── .idea
├── out
├── src
│   ├── com
│   │   ├── sammidev
│   │   │   ├── algo
│   │   │   ├── testing
│   │   │   ├── tugas1
│   │   │   ├── tugas2
│   │   │   ├── tugas3
│   │   │   └── tugas4
│   │   ├── App.java
│   │   └── run.sh
├── PBO.iml
└── README.md

27
28 private final String[] items = {"Panci","Baju","Celana","Iphone XS"};
29 Random random = new Random();
30 int rand = random.nextInt(items.length);
31
32 // 1 args constructor
33 public Product(String id) {
34     this(id, null);
35 }
36
37 // 2 args constructor
38 public Product(String id, String barang) {
39     this(id, barang, new BigDecimal(5000000));
40 }
41
42 // 3 args constructor
43 public Product(String id, String name, BigDecimal price) {
44     this(id, name, price, LocalDateTime.now().plus(3, ChronoUnit.WEEKS));
45 }
46
47 // 4 args constructor
48 public Product(String id, String name, BigDecimal price, LocalDateTime expired)
49     this(id,name, price,expired, Category.DAPUR);
50 }
51
52 // all args constructor
53 public Product(String id, String name, BigDecimal price, LocalDateTime expired,
54     this.id = id;
55     this.name = items[rand];
```

```
~/Documents/KULIAH/PBO/PRATIUM/PBO/src/com/sammidev/tugas4/App.java (PBO) - Sublime Text (UNREGISTERED)

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│   │   │   └── tugas4
│   │   ├── App.java
│   │   └── run.sh
├── PBO.iml
└── README.md

52 // all args constructor
53 public Product(String id, String name, BigDecimal price, LocalDateTime expired,
54     this.id = id;
55     this.name = items[rand];
56     this.price = price;
57     this.expired = expired;
58     this.category = category;
59 }
60
61 // show data
62 public String show() {
63     return "\n\n id          = " + this.id + "\n" +
64         " name      = " + this.name + "\n" +
65         " price     = " + this.price + "\n" +
66         " expired   = " + this.expired + "\n" +
67         " cateogry  = " + this.category + "\n";
68 }
69
70
71 enum Category {
72     DAPUR,ELEKTRONIK,FASHION,KESEHATAN,KECANTIKAN,OTOMOTIF
73 }
```

Hasil:

```
sammidev - sam@KotlinFan:~/Documents/KULIAH/PBO/PRATIUM/PBO/src/com/sammidev/tugas4

id      = 00477128-9088-4957-a65b-ff0ad2605098
name     = Panci
price    = 5000000
expired  = 2021-04-05T12:23:28.123935196
category = DAPUR

id      = 697de8f4-4e82-420e-a808-701d4552fade
name     = Iphone XS
price    = 5000000
expired  = 2021-04-05T12:23:28.126547395
category = DAPUR

id      = 22513214-5f5e-4437-b929-5c5899ec0707
name     = Iphone XS
price    = 5000000
expired  = 2021-04-05T12:23:28.126791362
category = DAPUR

→ tugas4 git:(master) X |
```