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Kelas : QE

Soal Minggu Ke - 4 (17 Maret 2024)

Soal Prioritas 1

▼ Soal Prioritas 1 (80)

1. Buatlah sebuah program untuk menyimpan data sebuah kursus dalam bentuk class. Kriteria dari program yang dibuat adalah sebagai berikut:
 - a. Terdapat class dengan nama Course.
 - b. Sebuah class terdiri dari atribut judul, deskripsi, nama pengajar, level dan harga.
 - c. Terdiri dari method *setter* (contoh: setName()) dan method *getter* (contoh: getName()) pada setiap atribut.
 - d. Terdapat method getInfo() yang menampilkan informasi mengenai data kursus.
 - e. Contoh output program adalah sebagai berikut:

```
***  
COURSE INFO  
title: data science  
description: learn about data science  
lecturer: john doe  
level: all level  
price: 150000  
***  
COURSE INFO  
title: algorithm  
description: master the basics of algorithm  
lecturer: enki  
level: beginner  
price: 75000  
***  
COURSE INFO  
title: docker  
description: learn about docker from zero to master  
lecturer: ray kriegler  
level: all level  
price: 125000  
***
```

1.

jawab

1.

```
package tugas;  
  
public class SoalPrioritasSatuSepuluh {  
    4 usages  
    private String title;  
    4 usages  
    private String description;  
    4 usages  
    private String lecturer;  
    4 usages  
    private String level;  
    4 usages  
    private int price;  
  
    // Constructor  
    3 usages  
    public SoalPrioritasSatuSepuluh(String title, String description, String lecturer, String level, int price) {  
        this.title = title;  
        this.description = description;  
        this.lecturer = lecturer;  
        this.level = level;  
        this.price = price;  
    }  
  
    // Getter and setter methods  
    no usages  
    public String getTitle() {  
        return title;  
    }  
}
```

```

no usages
public void setTitle(String title) {
    this.title = title;
}

no usages
public String getDescription() {
    return description;
}

no usages
public void setDescription(String description) {
    this.description = description;
}

no usages
public String getLecturer() {
    return lecturer;
}

no usages
public void setLecturer(String lecturer) {
    this.lecturer = lecturer;
}

no usages
public String getLevel() {
    return level;
}

```

```

no usages
public void setLevel(String level) {
    this.level = level;
}

no usages
public int getPrice() {
    return price;
}

no usages
public void setPrice(int price) {
    this.price = price;
}

// Method to get course information
3 usages
public void getInfo() {
    System.out.println("=== COURSE INFO ===");
    System.out.println("Title: " + title);
    System.out.println("Description: " + description);
    System.out.println("Lecturer: " + lecturer);
    System.out.println("Level: " + level);
    System.out.println("Price: " + price);
    System.out.println("===");
}

```

```

public static void main(String[] args) {
    // Create course objects
    SoalPrioritasSatuSepuluh dataScience = new SoalPrioritasSatuSepuluh( title: "Proplayer ml", description: "profile prop", lecturer: "Proplayer", level: "1", price: 1000000 );
    SoalPrioritasSatuSepuluh algorithm = new SoalPrioritasSatuSepuluh( title: "Celiboy", description: "All about celiboy", lecturer: "Celiboy", level: "1", price: 1000000 );
    SoalPrioritasSatuSepuluh docker = new SoalPrioritasSatuSepuluh( title: "Us", description: "story of us", lecturer: "memor", level: "1", price: 1000000 );

    // Display course information
    dataScience.getInfo();
    algorithm.getInfo();
    docker.getInfo();
}
}

```

(Codingan soal prioritas 1)

```
/Library/Java/JavaVirtualMachines/jdk-17.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=54220:/Applications/IntelliJ
=== COURSE INFO ===
Title: Proplayer ml
Description: profile proplayer ml
Lecturer: Kairi Rayosdelol
Level: all level
Price: 15000000
===
=== COURSE INFO ===
Title: Celiboy
Description: All about celiboy
Lecturer: Eldhin Rahardian
Level: masterpiece
Price: 7500000
===
=== COURSE INFO ===
Title: Us
Description: story of us
Lecturer: memories
Level: all level
Price: 1250000000
===
Process finished with exit code 0
|
```

(Output soal prioritas 1)