オブジェクト指向技術

小テスト (2023年6月5日)
8:00-8:15

```java
class Book {
    private String title;
    private int price;

    Book(String title, int price) {
        this.title = title;
        this.price = price;
    }
    void setPrice(int p) { price = p; }
    String getInfo() {
        return title + ":" + price;
    }
}
```

```java
class EBook extends Book {
    EBook(String title, int price) {
        super(title, price);
    }
    String getInfo() {
        return "E#" + super.getInfo();
    }
}
```

```java
public class Quiz2 {
    public static void main(String[] args) {
        Book a = new Book("A", 1000);
        System.out.println(a.getInfo());   // (1)

        EBook b = new EBook("B", 3000);
        System.out.println(b.getInfo());   // (2)

        b.setPrice(2500);
        System.out.println(b.getInfo());   // (3)

        Book c = b;
        b.setPrice(2000);
        System.out.println(c.getInfo());   // (4)

        c = a;
        a.setPrice(1500);
        System.out.println(c.getInfo());   // (5)
    }
}
```

```java
class Book {
    private String title;
    private int price;

    Book(String title, int price) {
        this.title = title;
        this.price = price;
    }
    void setPrice(int p) { price = p; }
    String getInfo() {
        return title + ":" + price;
    }
}
```

```java
class EBook extends Book {
    EBook(String title, int price) {
        super(title, price);
    }
    String getInfo() {
        return "E#" + super.getInfo();
    }
}
```

```java
public class Quiz2 {
    public static void main(String[] args) {
        Book a = new Book("A", 1000);
        System.out.println(a.getInfo());        A:1000

        EBook b = new EBook("B", 3000);
        System.out.println(b.getInfo());        E#B:3000

        b.setPrice(2500);
        System.out.println(b.getInfo());        E#B:2500

        Book c = b;
        b.setPrice(2000);
        System.out.println(c.getInfo());        E#B:2000

        c = a;
        a.setPrice(1500);
        System.out.println(c.getInfo());        A:1500
    }
}
```