

オブジェクト指向プログラミング No.9

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ソースコード

MultilingualBook.java

```
class BookInfo{

    protected String author;

    protected String title;

    protected String publisher;

    protected int pYear;


    BookInfo(){}


    BookInfo(String author, String title, String publisher, int pYear){

        this.author = author;

        this.title = title;

        this.publisher = publisher;
```

```
        this.pYear = pYear;

    }

    void setAuthor(String author){

        this.author = author;

    }

    void setTitle(String title){

        this.title = title;

    }

    void setPublisher(String publisher){

        this.publisher = publisher;

    }

    void setPYear(int pYear){
```

```
        this.pYear = pYear;

    }
```

```
String getAuthor(){

    return author;

}
```

```
String getTitle(){

    return title;

}
```

```
String getPublisher(){

    return publisher;

}
```

```
int getPYear(){
```

```
        return pYear;

    }

    void showBook(){

        System.out.println("著者名: " + author);

        System.out.println("題名: " + title);

        System.out.println("出版社: " + publisher);

        System.out.println("出版年: " + pYear);

    }

}
```

```
class MultilingualBook extends BookInfo {

    private String language;

    private boolean trans = false;

    private String translator;

    private String transBook;
```

```
private String transPub;
```

```
MultilingualBook(){}
```

```
MultilingualBook(String author, String title, String publisher, int  
pYear, String language, boolean trans, String translator, String transBook, String  
transPub){  
  
    super(author, title, publisher, pYear);  
  
    this.language = language;  
  
    if (trans){  
  
        this.trans = trans;  
  
        this.translater = translator;  
  
        this.transBook = transBook;  
  
        this.transPub = transPub;  
  
    }  
  
}
```

```
void setlanguage(String language){  
  
    this.language = language;  
  
}
```

```
void settrans(boolean trans){  
  
    this.trans = trans;  
  
}
```

```
void settranslator(String translator){  
  
    this.translater = translator;  
  
}
```

```
void settransBook(String transBook){  
  
    this.transBook = transBook;  
  
}
```

```
void settransPub(String transPub){  
  
    this.transPub = transPub;  
  
}
```

```
String getlanguage(){  
  
    return language;  
  
}
```

```
boolean gettrans(){  
  
    return trans;  
  
}
```

```
String gettranslator(){  
  
    return translator;  
  
}
```

```
String gettransBook(){  
  
    return transBook;  
  
}
```

```
String gettransPub(){  
  
    return transPub;  
  
}
```

```
void showBook(){  
  
    super.showBook();  
  
    System.out.println("言語: " + language);  
  
    System.out.println("訳書の有無: " + trans);  
  
    System.out.println("訳者名: " + translator);  
  
    System.out.println("訳書名: " + transBook);  
  
    System.out.println("訳書出版社: " + transPub);  
  
}
```



```
}
```

BookTester.java

```
public class BookTester{

    public static void main(String[] args){

        MultilingualBook a1 = new MultilingualBook("Victor Hugo",
"Les Miserables", "A.laroix,Verboeck-hoven&Ce.", 1862, "仏語", true, "豊島与志
雄", "レ・ミゼラブル", "岩波出版");

        MultilingualBook a2 = new MultilingualBook("Lewis Carroll",
"Alice's Adventures in Wonderland", "MacmillanPublishers", 1865, "英語", true,
"高山宏", "不思議の国のアリス", "東京図書");

        MultilingualBook a3 = new MultilingualBook("Albert
Camus", "L'Etranger", "Edications Galimard", 1942, "仏語", true, "窪田啓作", "異
邦人", "新潮文庫");

        MultilingualBook a4 = new MultilingualBook("J.D.Salinger",
"The Catcher in the Rye", "Little, Brown and Company", 1951, "英語", true, "野
```

```
崎孝", "ライ麦畑で捕まえて", "白水社");
```

```
        MultilingualBook a5 = new MultilingualBook("Antoine de  
SaintExupery ", "Le Petit Prince", "Reynal and Hitchcock", 1943, "仏語", true, "  
内藤濯", "星の王子さま", "岩波書店");
```

```
        a1.showBook();
```

```
        a2.showBook();
```

```
        a3.showBook();
```

```
        a4.showBook();
```

```
        a5.showBook();
```

```
    }
```

```
}
```

実行結果

著者名: Victor Hugo

題名: Les Miserables

出版社: A.laroix,Verboeck-hoven&Ce.

出版年: 1862

言語: 仏語

訳書の有無: true

訳者名: 豊島与志雄

訳書名: レ・ミゼラブル

訳書出版社: 岩波出版

著者名: Lewis Carroll

題名: Alice's Adventures in Wonderland

出版社: MacmillanPublishers

出版年: 1865

言語: 英語

訳書の有無: true

訳者名: 高山宏

訳書名: 不思議の国のアリス

訳書出版社: 東京図書

著者名: Albert Camus

題名: L'Etranger

出版社: Edications Galimard

出版年: 1942

言語: 仏語

訳書の有無: true

訳者名: 窪田啓作

訳書名: 異邦人

訳書出版社: 新潮文庫

著者名: J.D.Salinger

題名: The Catcher in the Rye

出版社: Little, Brown and Company

出版年: 1951

言語: 英語

訳書の有無: true

訳者名: 野崎孝

訳書名: ライ麦畑で捕まえて

訳書出版社: 白水社

著者名: Antoine de SaintExupery

題名: Le Petit Prince

出版社: Reynal and Hitchcock

出版年: 1943

言語: 仏語

訳書の有無: true

訳者名: 内藤濯

訳書名: 星の王子さま

訳書出版社: 岩波書店