

## Class Book

```
public class Book {
    protected String title;
    protected String author;

    public Book(String title, String author) {
        this.title = title;
        this.author = author;
    }
    public String getTitle() {
        return title;
    }
    public String getAuthor() {
        return author;
    }

    @Override
    public String toString() {
        return "Title: " + title + ", Author: " + author;
    }
}
```

## Class AudioBook

```
public class AudioBook extends Book{

    private int duration;
    private String narrator;
    // String title
    // String author

    public AudioBook(String title, String author, int duration, String
narrator) {
        super(title, author);
        this.duration = duration;
        this.narrator = narrator;

    }
    public int getDuration() {
        return duration;
    }
    public String getNarrator() {
        return narrator;
    }
    @Override
    public String toString() {
        return super.toString() + ", Format: Audio, Duration: "
+ duration + ", Narrator: " + narrator;
    }
    //getTitle
    //getAuthor
}
```

## Class WrittenBook

```
public class WrittenBook extends Book{
    private int nPages;
    //title
    //author

    public WrittenBook(String title, String author, int nPages) {
        super(title,author);
        this.nPages = nPages;
    }
    //getAuthor
    //getTitle
    public int getNPages() {
        return nPages;
    }
    @Override
    public String toString() {
        return super.toString() + ", Format: Written, number of pages: "
            + nPages;
    }
}
```

## Class Ebook

```
public class Ebook extends WrittenBook{
    private int size;
    //title
    //author
    //nPages

    public Ebook(String title, String author, int nPages, int size) {
        super(title, author, nPages);
        this.size = size;
    }
    public int getSize() {
        return size;
    }
    public PrintedBook print() {
        return new PrintedBook(title, author, getNPages());
    }
    @Override
    public String toString() {
        return super.toString() + ", Ebook, size: " + size + "MB";
    }
    //getNPages
    //getTitle
    //getAuthor
}
```

## Class PrintedBook

```
public class PrintedBook extends WrittenBook{

    private int ISBN;
    private boolean hardcover;
    //nPages
    //title
    //author

    public PrintedBook(String title, String author, int nPages
                        , int ISBN, boolean hardcover) {
        super(title, author, nPages);
        this.ISBN = ISBN;
        this.hardcover = hardcover;
    }
    public PrintedBook(String title, String author, int nPages) {
        super(title, author, nPages);
        ISBN = 0;
        hardcover = false;
    }
    public int getISBN() {
        return ISBN;
    }
    public String getCoverType() {
        /*
        if(hardcover)
            return "Hardcover";
        return "Paperback";
        */
        return hardcover ? "Hardcover" : "Paperback";
        // return expression ? firstValue : secondValue;
    }
    //getAuthor
    //getTitle
    //getNpages

    @Override
    public String toString() {
        return super.toString() + ", Printed, ISBN: " + ISBN + ", " +
getCoverType();
    }
}
```