

Question:

Library Management System (Inheritance): Create a base class Book with attributes like title, author, and ISBN. Create a subclass EBook that adds an attribute fileSize and overrides the method displayDetails() to include file size.

Book_.java:

```
package Book;

public class Book_ {

    protected String title;
    protected String author;
    protected String ISBN;

    public Book_(String title, String author, String isbn) {
        super();
        this.title = title;
        this.author = author;
        this.ISBN = isbn;
    }

    public void displayDetails() {
        System.out.println("Title: " + title);
        System.out.println("Author: " + author);
        System.out.println("ISBN: " + ISBN);
    }
}
```

E_book.java

```
package Book;

public class E_Book extends Book_{

    private double fileSize;

    public E_Book(String title, String author, String ISBN, double fileSize) {
        super(title, author, ISBN);
        this.fileSize = fileSize;
    }

    public void displayDetails()
    {
        super.displayDetails();
        System.out.println("File Size: " + fileSize + " MB");
    }

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Book_ b = new Book_("CHEMISTRY", "UNKNOWN", "123");
        System.out.println("Book Details");
        b.displayDetails();

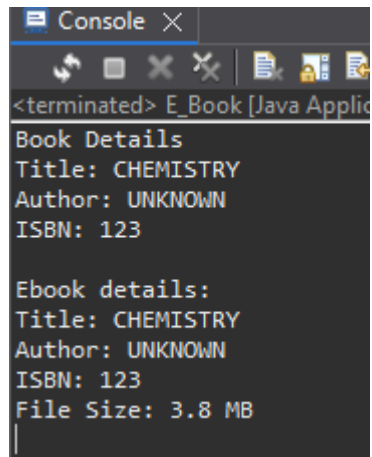
        System.out.println();
        System.out.println("Ebook details:");
    }
}
```

```
E_Book eb = new E_Book("CHEMISTRY","UNKNOWN","123",3.8);
eb.displayDetails();

}

}
```

Output:



```
Console X
<terminated> E_Book [Java Applic
Book Details
Title: CHEMISTRY
Author: UNKNOWN
ISBN: 123

Ebook details:
Title: CHEMISTRY
Author: UNKNOWN
ISBN: 123
File Size: 3.8 MB
|
```