

Lab 9m 3
26/12/23

Create a class book which contains four members: name, author, price, numPages. Include a constructor to set the values for the members. Include methods to set and get the details for the object. Include a toString() method that could display the complete details of the book. Develop a Java program to create n book objects.

```
import java.util.Scanner;
class Books {
    String name, author; int price, numPages;
    Books(String name, String author, int price,
           int numPages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }
    public String toString() {
        String name, author, price, numPages;
        name = "Book name is: " + this.name + "\n";
        author = "Author name: " + this.author + "\n";
        price = "Price: " + this.price + "\n";
        numPages = "Number of pages: " + this.numPages + "\n";
        return name + author + price + numPages;
    }
}
class BookMain {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n;
        String name, author;
```



```

int price, numPages;
System.out.println("Enter the number of books:");
n = sc.nextInt();
Books b[] = new Books[n];
System.out.println("Enter Name, author, price
and number of pages:");
for (int i=0; i<n; i++) {
    name = sc.next();
    author = sc.next();
    price = sc.nextInt();
    numPages = sc.nextInt();
    b[i] = new Books(name, author, price, numPages);
}
System.out.println("Book details:");
for (int i=0; i<n; i++) {
    System.out.println(b[i].toString());
}
}
}

```

Enter the number of books: 1

Enter Name, author, price and number of pages:

Ikigai
Hector

400

350

Book details:

Book name: Ikigai

Author name: Hector

Price: 400

Number of Pages: 450

Enter the number of Books:

2

Enter Name, author, price and number of pages:

iklgai

hector

400

350

Little women

May

350

400

Book details:

Book name : iklgai

Author name : hector

Price : 400

Number of pages : 350

Book name : little women

Author name : May

Price : 350

Number of pages : 400

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