Date / /

1p2-2)

```
import java.util.Scanner;
class Book
{
    String book_id;
    String book_title;
    int no_of_pages;
    int year_of_pub;
    String author;
    String publisher;
    int price;
    Scanner s = new Scanner(System.in);
    public void get_details()
    {
        System.out.println("Enter the book id:");
        book_id = s.nextLine();
        s.nextLine();
        System.out.println("Enter the title of the
        book:");
        book_title = s.nextLine();
        System.out.println("Enter the numbers of
        pages of the book:");
        no_of_pages = s.nextInt();
        System.out.println("Enter the year of
        publication of the book:");
        no_of_pages = s.nextInt();
        System.out.println("Enter the year of
        publication of the book:");
        year_of_pub = s.nextInt();
        s.nextLine();
        System.out.println("Enter the author of
        the book:");
        author = s.nextLine();
        System.out.println("Enter the publisher
        of the book:");
        publisher = s.nextLine();
        System.out.println("Enter the cost
```

```
        of the book : ");
        price = s.nextInt();
    }

    public void display_details(){
        System.out.println();
        System.out.println("Book id : "+book_id);
        System.out.println("Book title : "+book_title);
        System.out.println("The number of pages of the
        book : "+no_of_pages);
        System.out.println("The year of publication of
        the book : "+year_of_pub);
        System.out.println("The author of the book : "+
        author);
        System.out.println("The publisher of the book : "+
        publisher);
        System.out.println("The price of the book : "+
        price);
    public void author_book (String auth)
    {
        if (author.equals(author))
        {
            display_details();
        }
    }

    public static String most_expensive_book (Book b1,
    Book b2, Book b3){
        if ((b1.price > b2.price) && (b1.price > b3.price))
        {
            return b1.book_title;
        }
        else if ((b2.price > b1.price) && (b2.price > b3.price))
        {
            return b2.book_title;
        }
        else{
            return b3.book_title;
        }
    }
```

```
public int publication_2020(){
    if (year_of_pub == 2020)
    {
        return 1;
    }
    else {
        return 0;
    }
}

public void least_pages (Book b2, Book b3){
    if ((no_of_pages < b2.no_of_pages) &&
    (no_of_pages < b3.no_of_pages))
    {
        display_details();
    }
    else if ((b2.no_of_pages<no_of_pages) &&
    (b2.no_of_pages<b3.no_of_pages))
    {
        b2.display_details();
    }
    else {
        b3.display_details();
    }
}
}

public class lp2_2{
    public static void main(String args[])
    {
        Scanner s = new Scanner(System.in);
        String au;
        Book b1 = new Book();
        Book b2 = new Book();
        Book b3 = new Book();
        b1.get_details();
        System.out.println("The details of
        the book 1:");
```

```
b1.display_details();
b2.get_details();
System.out.println("The details of the book2:");
b2.display_details();
b3.get_details();
System.out.println("The details of the book3:");
b3.display_details();
System.out.println("Enter the author of the
book whose details you want to display:");
au = s.nextLine();
b1.author_book(au);
b2.author_book(au);
b3.author_book(au);
System.out.println();
System.out.println("The most expensive
book:"+Book.most_expensive_book(b1,b2,b3));
System.out.println();
System.out.println("The count of the books
published in the year 2020 is:"+(b1.
publication_2020+b2.publication_2020+
b3.publication_2020));
System.out.println();
System.out.println("The details of the
book with least number of pages:");
b1.least_pages(b2,b3);
}
}
```