```java
import java.util.Scanner;
class Book {
    private String bookid;
    private String booktitle;
    private int no_of_pages;
    private int year_of_pub;
    private String author;
    private String publisher;
    private double price;
    Scanner sc = new Scanner(System.in);
    void getDetails() {
        System.out.println("Enter book id ");
        bookid = sc.next();
        System.out.println("Enter book title");
        booktitle = sc.next();
        System.out.println("Enter no of pages");
        no_of_pages = sc.nextInt();
        System.out.println("Enter year of publish:");
        year_of_pub = sc.nextInt();
        System.out.println("Enter author & publisher");
        author = sc.next();
        publisher = sc.next();
        System.out.println("Enter price");
        print = sc.nextDouble();
    }
```

```java
void printDetails(){
    System.out.println("The book details:");
    System.out.println("book id"+ bookid);
    System.out.println("book title"+ booktitle);
    System.out.println("no of pages"+ no-of-pages);
    System.out.println("year of publish"+ year-of-pub);
    System.out.println("author &publisher"+ author+ publisher);
    System.out.println("price"+ price);
}
String bookByAuthor(){
    return author;
}
double expensive(){
    return price;
}
int count(){
    return year-of-pub;
}
int pages(){
    return no-of-pages;
}
}

public class E_2{
    public static void main(String[] args){
    Book b1 = new Book();
    Book b2 = new Book();
```

```
Book b3 = new Book();
Scanner sc = new Scanner(System.in);
b1. getDetails();
b2. getDetails();
b3. getDetails();
b1. printDetails();
b2. printDetails();
b3. printDetails();
String auth, bk1, bk2, bk3;
System.out.println("Enter author to find book");
auth = sc.next();
bk1 = b1. bookByAuthor;
bk2 = b2. bookByAuthor;
bk3 = b3. bookByAuthor;
if (bk1. equals (auth)) {
    b1. printDetails(); }
if (bk2. equals (auth)) {
    b2. printDetails(); }
if (bk3. equals (auth)) {
    b3. printDetails(); }
double p1, p2, p3;
p1 = b1. expensive();
p2 = b2. expensive();
p3 = b3. expensive();
System.out.println("most expensive book");
```

```
if (p1>p2) {
    if (p1>p3) { b1.printDetails(); }
    else { b3.printDetails(); } }.
else if (p2>p1) {
    if (p2>p3) { b2.printDetails(); }
    else { b3.printDetails(); } }
int count=0, c1, c2, c3;
c1 = b1.count();
    if (c1 == 2020)    count++;
    if (c2 == 2020)    count++;
    if (c3 == 2020)    count++;
System.out.println(" no of books pub in 2020" + count);
int page, pg1, pg2, pg3, pg4;
pg1 = b1.pages();
pg2 = b2.pages();
pg3 = b3.pages();
System.out.println("book with least pages");
    if (pg1 < pg2) { if (pg1 < pg3) {
                b1.printDetails(); }
        else { b2.printDetails(); }
    else { if (pg2 < pg3) {
                b2.printDetails(); }
        else { b3.printDetails(); }
    }
y
}
```