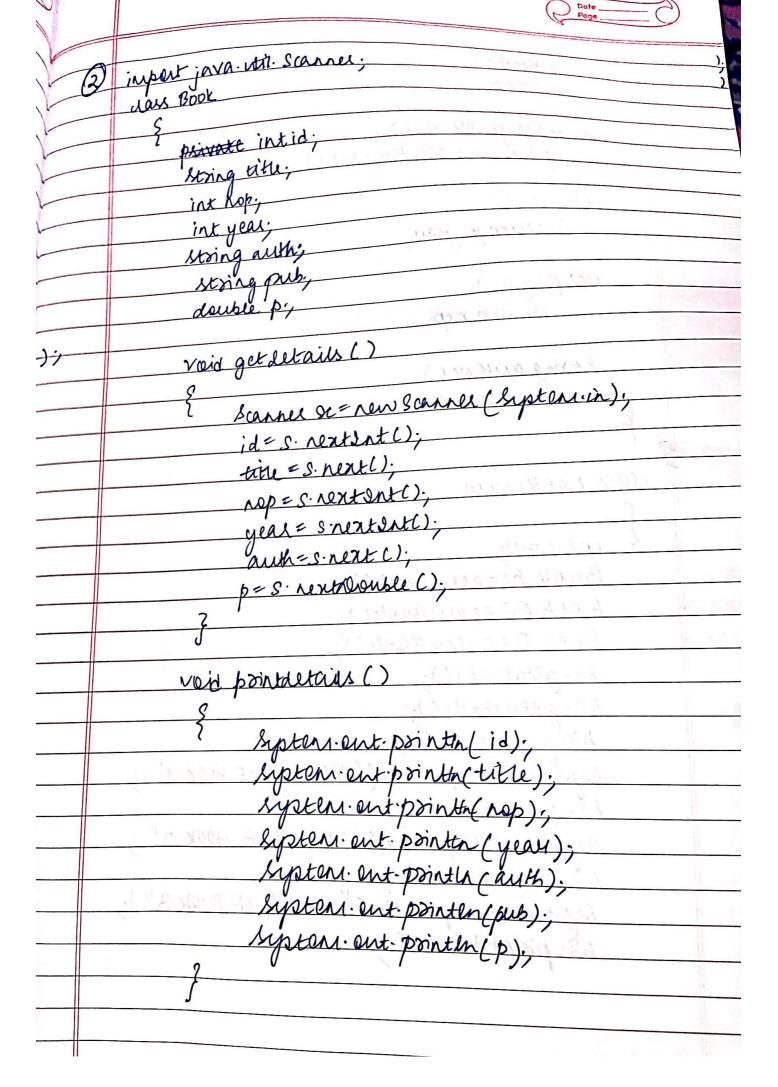
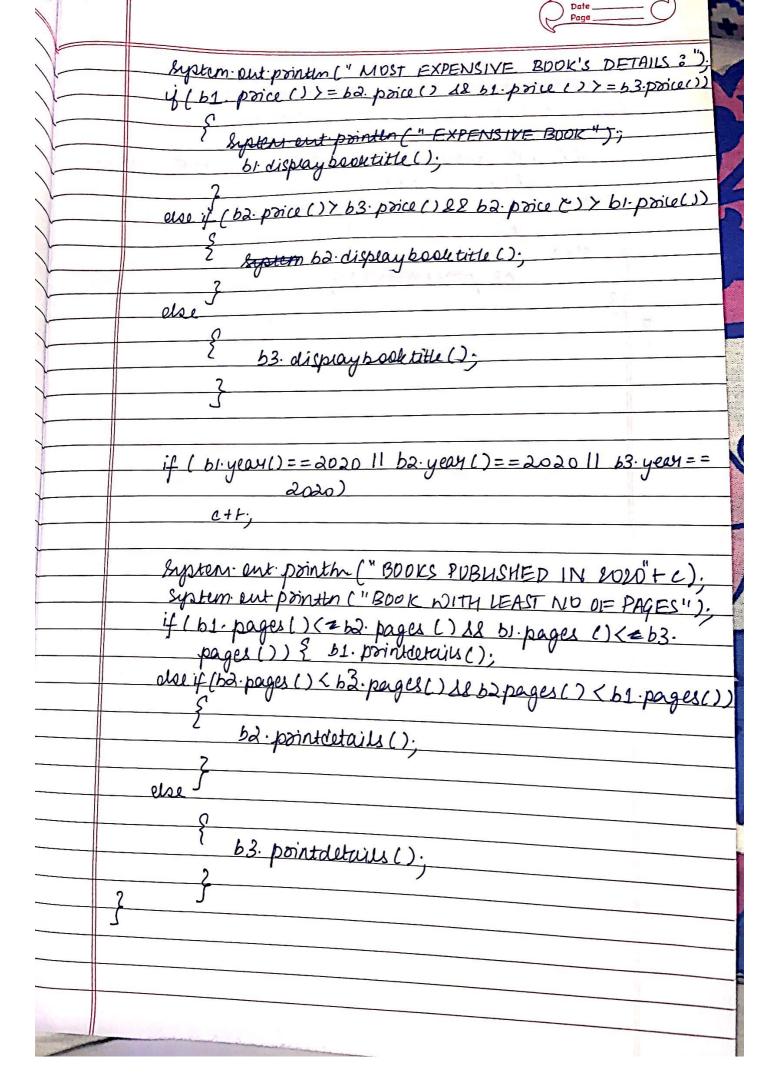
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```
🗾 *bookma<mark>i</mark>n - Notepad
File Edit Format View Help
import java.util.Scanner;
class Player
{
   int id,i,avg1,avg=0;
String name;
int scores [] = new int[5];
    Player()
         name ="Chayan";
         id = 1234;
for(i=0;i<=4;i++)
              scores[i]= 70;
         }
    Player( int score[], int iid, String namee)
         this.scores= score;
         name= namee;
id = iid;
    int calculate()
         for(i=0;i<=scores.length;i++)</pre>
         {
              avg=avg+scores[i];
      avg1 =avg/5;
      return avg1;
```

Ln 14, Col 27

110% Windows (CRLF)

UTF-8

```
🗾 *bookma<mark>i</mark>n - Notepad
File Edit Format View Help
               avg=avg+scores[i];
       avg1 =avg/5;
      return avg1;
    void display()
         System.out.println("NAME : " + name + "ID: " + id);
System.out.println("avg score " + avg1);
}
public class Players
    public static void main( String args [])
         Player p1= new Player();
int scores[]= {50,45,68};
Player p2= new Player(scores, 3456, "Aashay");
          if(p1.calculate() > p2.calculate())
               p1.display();
          }
         else
               p2.display();
                                                                                                                                   Ln 14, Col 27
                                                                                                                                                         110% Windows (CRLF)
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```

G:\bin\Programs>java Players
Exception In thread "main" java.lang.ArrayIndexOutOfBoundsException: 3
 at Players.main(Players.java:29)
 at Players.main(Players.java:29)

G:\bin\Programs>javac Players

MWE: ChaysanID: 1234
avg score 76

G:\bin\Programs>

G:\bin\Programs>

1 error

G:\bin\Programs>javac Players.java

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D:\coding files\000 Lab>javac p4-2.java

```
*bookmain - Notepad
File Edit Format View Help
import java.util.Scanner;
class Book
{
   private int id;
   private String title;
   private int nop;
   private int year;
   private String auth;
   private String pub;
   private double p;
   void getdetails()
        Scanner s=new Scanner(System.in);
        System.out.println("ENTER ID OF BOOK");
        id=s.nextInt();
        System.out.println("ENTER THE TITLE OF BOOK");
        title=s.next();
        System.out.println("ENTER NUMBER OF PAGES OF BOOK");
        nop=s.nextInt();
        System.out.println("ENTER YEAR OF PUBLISHING OF THE BOOK");
        year=s.nextInt();
        System.out.println("ENTER AUTHOR OF BOOK");
        auth=s.next();
        System.out.println("ENTER PUBLISHER OF BOOK");
        pub=s.next();
        System.out.println("ENTER PRICE OF BOOK");
        p=s.nextDouble();
   void printdetails()
        System.out.println(" ID OF BOOK: "+id);
System.out.println(" THE TITLE OF BOOK: "+title);
                                                                                                                          110% Windows (CRLF)
                                                                                                         Ln 126, Col 2
```

```
🗾 *bookmain - Notepad
File Edit Format View Help
          System.out.println(" AUTHOR OF BOOK: "+auth);
System.out.println(" PUBLISHER OF BOOK: "+pub);
System.out.println(" PRICE OF BOOK: "+p);
    double price()
          return p;
    void displaybooktitle()
          System.out.println(title);
    }
int year()
          return year;
    int pages()
          return nop;
    String author()
{
   return auth;
class bookmain
    public static void main(String args[])
          int c=0;
Book b1=new Book();
Book b2=new Book();
                                                                                                                                          Ln 126, Col 2
                                                                                                                                                                110% Windows (CRLF)
                                                                                                                                                                                             UTF-8
```

```
🗾 *bookmain - Notepad
File Edit Format View Help
       b3.displaybooktitle();
       if(b1.year()==2020)
       if(b2.year()==2020)
       C++;
       if(b3.year()==2020)
       System.out.println("THE NUMBER OF BOOKS PUBLISHED IN THE YEAR 2020 = "+c);
       if(b1.pages()<=b2.price() && b1.price()<=b3.price())</pre>
       System.out.println("THE BOOK WITH LEAST NUMBER OF PAGES IS BOOK 1 ");
       b1.printdetails();
       else if(b2.pages()<=b1.pages() && b2.pages()<=b3.pages())</pre>
       System.out.println("THE BOOK WITH LEAST NUMBER OF PAGES IS BOOK 2 ");
       b2.printdetails();
       }
       else
       {
            System.out.println("THE BOOK WITH LEAST NUMBER OF PAGES IS BOOK 3 ");
           b3.printdetails();
   System.out.println("ENTER THE AUTHOR NAME WHOSE BOOK DETAILS NEED TO BE DISPLAYED");
   Scanner s1=new Scanner(System.in);
   String auth1=s1.next();
   if(auth1.compareToIgnoreCase(b1.author())==0)
   b1.printdetails();
  else if(auth1.compareToIgnoreCase(b2.author())==0)
   b2.printdetails();
  else if(auth1.compareToIgnoreCase(b3.author())==0)
                                                                                                    Ln 126, Col 2
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                                                                                                                                          UTF-8
```

```
🗾 *bookmain - Notepad
File Edit Format View Help
       if(b3.year()==2020)
       System.out.println("THE NUMBER OF BOOKS PUBLISHED IN THE YEAR 2020 = "+c);
       if(b1.pages()<=b2.price() && b1.price()<=b3.price())</pre>
       System.out.println("THE BOOK WITH LEAST NUMBER OF PAGES IS BOOK 1 ");
       b1.printdetails();
       else if(b2.pages()<=b1.pages() && b2.pages()<=b3.pages())</pre>
       System.out.println("THE BOOK WITH LEAST NUMBER OF PAGES IS BOOK 2 ");
       b2.printdetails();
       else
       {
            System.out.println("THE BOOK WITH LEAST NUMBER OF PAGES IS BOOK 3 ");
           b3.printdetails();
       }
   System.out.println("ENTER THE AUTHOR NAME WHOSE BOOK DETAILS NEED TO BE DISPLAYED");
   Scanner s1=new Scanner(System.in);
   String auth1=s1.next();
   if(auth1.compareToIgnoreCase(b1.author())==0)
   b1.printdetails();
  else if(auth1.compareToIgnoreCase(b2.author())==0)
   b2.printdetails();
  else if(auth1.compareToIgnoreCase(b3.author())==0)
   b3.printdetails();
   else
     System.out.println("THE GIVEN AUTHOR'S BOOK IS NOT FOUND");
                                                                                                    In 126, Col 2
                                                                                                                     110% Windows (CRLF)
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```