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Practice - 4
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```
Create Player Class
# import java. util. scanner;
  class Playor &
        study id;
          ; were [] tui
          int mo-matches-played;
           Player (183
            Player (String id1, string namel &, int[] runs
                                         g (n bo i
                  id = id1;
                  name = name 1;
                   Hum = Huml;
                   no-match - played = ";
           Void get Details (18
                Scanner sc = new Scanner (Systemin);
                System. out. prindle ("Enter player details
                            whom you want to compare
                            with Mithali Ray : ");
                  8 ystem - out. printlul "Enter id:");
                  id = 8c. next();
                  System. out. printly (" Enter Name:"):
                  name = sc. west();
```

System. out. printlu ("Enter no. of matches played!");

```
no-matches-played = sc. next Int();
          runs = new jut [no-matches-played];
          toul int i = 0; i < no-motches-played; i++)[
                System. out. printly ("Enter Rus Scorred
                           in match " + (i+1) + ":");
                   rungli] = Sc. next Int();
    21) Winds about prior
           System. out. printlul " It " ** The player details
           System.oud. printler ("Id: "+ id +" /n name: "+
                                name + " / u number of match
                                 played: " + no-matchesplayed
            foul int i = 0; i < no-matches-played; i++1 {
                   System. out. printly ("Runs Scored inhotch"
+ (i+1) + ": " + runs[i])
double ang ( ) h
          int Sconsum =0;
          for (int i = 0; ic no-matches - played; i4+) {
                  ([i] court = + musuros
          return (Sconsum) (no matches - played +0.0)
        match &
        public static void main ( staing C3 args) &
          : {80,02,84 } = mun [] his
```

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Plang, Plang;
double
         bi = nem blander ();
Player
         P2 = new player ("03", "Mithalikay",
bland a
                                  num, 3);
pr. get Details ();
 pland = b1. ang();
 brand = br. and (),
 pr. print Details ();
  pr. printoeteris!;
  if ( prang > prang ) h
          System. out. printly (" Player I has
               greatest average i.e, "+peaug+
                "InPlay en laverage is: "+
                "In Play or 2 owerage is: " + prong)
 else if (prong > prong 1 &
    System. out. printly " Player 2 has the
               greatest average i.e,"+
               prang + "In Player I owerage
                is: " + p ( aug);
  6186 {
     8 ystem. och. printly ("Both player 1
         & 2 hour equal overage. "+ @
        v ju Player 1 average is; "
         + peoplaring + " lu player à average
           1, 2 " + bsand);
```

2> BOOK Shelf

import java. Util. Scanner;

class Book

int id; privak private food string 4:4Pu;

private int nop;

private int year;

private string auth;

; duq private string pub; private double Pi

get details () Lion

scanner s= news Scanner (system.in);

System. out. prient du ("Enter ID of Book");

id = s. next Int();

System. out. printlu ("Enter the title of Book");

fitte = S. next();

System. out. printlu ("Enter no. of pages of Book");

map = s. next Int();

System. out. printled "Enter year of Publication");

year = S. hext Int ();

System. out. print ("Enter Author of Book");

auth = 8. next that ();

System. out. printlul " Euler Publisher of the Book"); pub = 8. next();

```
System out printly ("Enter price of book");
        p = s. wext Double ();
void paid details paintdetails()
   System. out. printly "ID of Book: "#id);
   System. ont. printle (" Title of Book: "+ title);
    System. and. printly " Number of pages in book: "twop);
    System. out. paint lul" rear of Publication of Book:
     System. out. printly " Author of Book! " + outh);
      System. out. printly " Publisher of Book: " + pub);
      System. out. printlul " Price of Book: "+p);
  double price ()
     return pi
   void displaybooktille()
      System. ord. printlu (title);
     int year()
      return year;
    int pages ()
        return nob;
      String outhor (1
```

```
return outh;
     bookmain
5
   public static void main (string orgs[])
           c = 0;
        tui
                          BOOK ( );
                PI = WEM
        BOOK
                            Bookl);
                be = mew
                            BOOK ();
         Book by = new
         bi. getdetails ();
         62. getdeteils ();
          b3. getdetails ();
         System. out. positelu (" * * * Detects of the Book 1 ** );
          bi. prividetails ();
          System. out. Priville ("** Details of the BOOK 2 **);
          b2. prividetails ();
          System out. privaled "** Details of the BOOK 3rd,
           b3. prividetails (1;
          if (b1. price () > = b2. price () & &
                bi. price ( ) >= 63, price ())
             System. out. printen (" In The Most Explain
                              Expensive book is with
                               title: ") bildsplogbooktike
               bi. displaybooktitle ();
               else if ( 62. price (1) = 61. price ()
                           22 b2. price () > = 63. price ()
```

```
System. out. prindlul" The Most Expensive Book is
                   with title : ");
 be displaybook title ();
 e15c
  8 ystem. out. prantlu (" The most expensive Book
                         is with tite: ");
  bg. display book title ();
  if (b1. year (1== 2020)
    if ( b2. year() = = 2020)
   if ( 63. year 1 = = 2020)
    c++;
    System. out. printly "The No. of books published
                         in year 2020 = "+c);
    if (bi.pages() < = b2.price() && b1.price() <=
                                      bs.price(1)
      5
      System. out. printlel "The Book with least us.
                           of pages is Book I'l;
      b1. print details ();
      else if (b2. pages () <= b1. pages () le benp
                 b2. pages(1 < = b3. pages () |
       8 ystem. out. printly (" The Book with Least
                          no. of pages is Book 2");
        b 2. p. rindeteils ();
```

```
else
  System. out. printer (" The Book with least
                      no. of pages is Book 3");
  bs. print details ();
  System. out. probable ("Enter the Author name
                     whose Book details you want?
             81 = new scamer ( System in);
    Storing outle = $1. next();
    if ( auth 1. compare To I guare Care ( 61. author 1) =
    bi. prindetails (1;
    else if ( auth 1. compare To Ignory Case ( 62. author)
                               (b2 - author()) == 0)
    be. print details (1;
          if ( auth 1. compare To I guar Case ( 63. author
                                        (1) == 0)
    63. pour detects (1)
     else
        8 ystem. out. printlu (" The Given cuthoris
                              Book is not found");
```

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