write a java program to test the class player

```
import java.util.*;
import java.lang.*;
import java.io.*;
public class extra5
{
  public static String id;
  Public static String name;
  public static int [] scores;
  public static int
  no_of_matches_played;
  public extra5 (String i, String n, int mat)
    {
      id = i;
      name = n;
      no_of_matches_played=mat;
       scores=new
  int[no_of_matches_played];
  }
    public static void read().
  {
      Scanner sc = new
      Scanner (System.in);
      System.out.println ("Enter the scores
of the player in the matches");
```

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```
for (int i=0; i<no_of_matches_Played;
{
  System.out.println("Enter the score
  Scored By The player in the match"+
  (i+1));
      Scores[i]=sc.nextint();
  }
}
  public static void calc()
  {
    read();
    double Sum=0;
    double Averages;
for(int i=0;i<no_of_matches_played;
  {
     Sum+=scores[i];
  }
  System.out.Println("ID of the player
      is "+id);
System.out.println("Name of the pla
      is "+name);
System.out.println("Total Score Scor
    by the player is "+sum);
      average = sum/no_of_matches_pl
System.out.println("Average score of
  The player is "+average);
  }
}
  import java.util.*;
  import java.lang.*;
  public class testplayer
{
  Public static void main (String[]
    args)
```

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```
{
    String Id;
    String name;
    int no;
    Scanner sc=new;
    Scanner (System.in);
    System.out.println ("Enter the name of
                Player");
      name = sc.next ();
    System.out.println ("Enter the number
    of matches played By the player");
        no = sc.nextint();
        extra5 ob=new
        extra5 (id.name, no);
          ob.calc();
}
```

OUTPUT:

```
Enter the Id of the player
1BM19CS153
Enter the name of Player
HARI
Enter the number of matches Played By
 the player
5
Enter the scores of the player in the
  matches
Enter the Score Scored By the player
 in the match 1
50
Enter the Score scored By the player
  in the match 2
90
```

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Enter the score scored by the player in the match 3
0
Enter the score scored by the player in the match 4
0
Enter the score scored by the player in the match 5
60
ID of the player is 1BM19CS153
NAme of the player is HARI.
Total Score ~~scor~~ scored by the player is 200.0
Average score of the player is 40.0

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Write a programm for Details of Books

```
import java.util.*;
import java.io.*;
import java.lang.*;
Public class extra6
{
 Public static String bookid;
 Public Static String booktitle;
 public static int[] no_of_pages;
 Public static int[] year_of_Pub;
 Public static String number;
 Public static String Publisher;
 Public static double[] price;
 Public Static int n;
Public extra6 (String id, String title, String
 au, String Pub, int count)
 {
  bookId = id;
  booktitle = title;
  author = au;
  Publisher = pub;
   n = count;
 }
  Public extra6()
 {
  no_of_pages = new int[3];
  Price = new double[3];
  year_of_Pub = new int[3];
 }
  public static void read()
 {
  Scanner sc = new Scanner(System.in
System.out.println("Enter the number
      of book");
```

```
n = sc.nextInt();
System.out.println("Enter the price of the Book");
for(int i=0; i<n; i++)
{
  System.out.println("Enter the price of Book");
  for(int i=0; i<n; i++)
  {
    System.out.println("Enter the price of book" + (i+1));
    Price[i] = sc.nextDouble();
System.out.println("Enter the number of pages of book" + (i+1));
no_of_pages[i] = sc.nextInt();
System.out.println("Enter the year of publication");
year_of_pub[i] = sc.nextInt();
  }
}

Public Static double most_exp()
{
  double max=0;
  for(int i=0; i<n; i++)
  {
    if(price[i]>max)
    {
      max= Price[i];
    }
  return max;
}
Public Static int Pub_in_2020()
{
```

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```
int count = 0;
for (int i=0; i<n; i++)
{
  if (year_of_pub[i] == 2020)
      count ++;
}
public static int least()
{
  int min = no_of_pages[0];
  for (int i=0; i<n; i++)
  {
    if (no_of_pages[i] < min)
    {
      min = no_of_pages[i];
    }
  }
  return min;
}
public static void display()
{
  System.out.println("Book name is"
                     + booktitle);
  System.out.println("BookID is" + bookid);
System.out.println("Author of book is" +
                   author);
System.out.println("publisher of book
    is" + Publisher);
}
}
```

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```
import java.util.*;
import java.io.*;
import java.lang.*;
Public class testbook
{
    Public Static String [] bookid;
    Public static String [] booktitle;
    Public Static String [] outhor;
    Public static String [] publisher;
    Static int n;
  Public Static void main (String [] arg
  {
    double a=0;
    double b=0;
    Scanner sc = new scanner (System.in)
  System.out.println ("Enter the numb
        of book");
    n = sc.nextint();
  bookid = new String [n];
  booktitle = new String [n];
  author = new String [n];
  Publisher = new String [n];
  for (int i=0; i<n; i++)
  {
    System.out.println ("Enter the boo
        id of book" + (i+1));
    bookid [i] = sc.next();
  System.out.println ("Enter the book
        title of the book") + (i+1) );

  booktitle[i] = sc.next();

System.out.println ("Enter thau
        of book" + (i+1));
```

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```
author[i] = sc.next();
System.out.println("Enter the name of the
    Publisher for the book"+(i+1));
publisher[i] = sc.next();
}
Extra6 ob = new extra6();
   ob.read();
extra6 ob1 = new extra6(bookid[0],
   booktitle[0], author[0], publisher[0],n);
a = ob1.most-exp();
b = ob1.least();
if (ob1.price[0] == a)
{
System.out.println("*** details of
      the costliest Book is ***");
System.out.println("price of the
      costliest Book is" +a);
ob1.display();
   a=0;
}
if(ob1.no_of_pages[0] == b)
{
System.out.println("*** Details of
      the Book least Number of Pages");

System.out.println("Number pages
      in the book is" +b);
ob1.display();
   a=0;
}
if (ob1.no_of_pages[0] == b)
{
System.out.println("*** Details
      of the Book least Number of
```

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```
    Pages");
System.out.println("Number pages in
    the book is"+b);
    ob1.display();
    b=0;
}
extra6 ob2=new extra6(BookId[i],
 booktitle[i], author[i], Publisher[i
      n);
 a=ob2.most_exp();
 b=ob2.least();
 if(ob2.price[i]==a)
{
   System.out.println("Details of
       the costliest Book is");
   System.out.println("price of
       the costliest Book is"+a);
   ob2.display();
   b=0;
}
extra6 ob3=new extra6(bookid[2]
   booktitle[2], author[2], publis
    [2], n);
 a= ob3.most_exp();
 b= ob3.least();
 if(ob3.price[2]==a)
{
  System.out.println("***Detai
    of the Book with least Number
     pages is"+**");
System.out.println("Number of
     pages in the book is"+b);
   ob3.display();
      b=0;
}
```

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```
int in_2020 = ob.Pub_in 2020();
System.out.println();
System.out.println("Number of Books published in 2020 " + in_2020);
}
```

OUTPUT:

Enter the Number of books
3

Enter the id of the book 1
1BM19CS153

Enter the book title of the Book1
merchant of venice.

Enter the author of the Book
William Shakespeare.

Enter the publisher of the Book1
morning star

Enter the bookid for Book2
1BM19CS162

Enter the book title of the Book2
Three mistakes of my life"

Enter the ~~book~~ author of the Book2
Chetan Bhagat.

Enter the publisher of the Book2
Sunshine.

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Enter the bookId of the Book$_3$
1BM19CS155.

Enter the ~~auth~~ book title of the Bo
Road not taken.

Enter the author of the Book$_3$
Robert_frost.

Enter the publisher of the Boo
Kilo_publisher.

Enter the numbers of Books
3

Enter the price of the Book$_1$
200.00 RS.

Enter the number of Pages of the
150.00

Enter the year of Publication
2020

Enter the price of the Book$_2$
500

Enter the number of pages of th
Book$_2$
600

Enter the year_of Publications
2018.

Page No.

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Enter the price of the Book3
150

Enter the number of pages of the Book3
100

Enter the year of publication
2018

*** Details of the Costliest Book is "***

Price of the book is 500

Book name is '3 mistakes of my life'

Bookid is 1Bm19CS162

Author of the book is Chetan Bhagat

publisher of the book is Sunshine

*** Details of the Book with least number of Pages ***

Number of pages In the book is 100.0

Book name is Road not taken

Bookid is 1BM19CS155.

Author of the Book is Robert - frost.
Publisher of the Book is Kilo publisher.
The number of books published in 2020.
2

*** End ***