

prac5 - Notepad

File Edit Format View Help

```
import java.util.Scanner;

class Player
{
    String id;
    String name;
    int [] scores;
    int no_matches_played;
    int sum = 0;
    double avg = 0.0;

    public Player(String id, String name, int[] scores, int no_matches_played) {
        this.id = id;
        this.name = name;
        this.scores = scores;
        this.no_matches_played = no_matches_played;
    }

    void cal_avg()
    {
        for(int i=0;i<scores.length;i++)
        {
            sum += scores[i];
        }
        avg = sum*1.0/no_matches_played;
    }

    void dis_avg()
    {
        System.out.println("The average score of "+ name + " is " +avg);
    }
}
```

```
System.out.println("The average score of "+ name + " is " +avg);
}

public class prac5
{
    public static void main(String args[])
    {
        String id;
        String name;
        int [] scores;
        int no_matches_played;

        Scanner sc = new Scanner(System.in);
        System.out.print("Enter player's name:");
        name = sc.nextLine();
        System.out.print("Enter player's id:");
        id = sc.nextLine();
        System.out.print("Enter the number of matches played:");
        no_matches_played = sc.nextInt();
        scores = new int[no_matches_played];
        System.out.println("Enter the scores of player");
        for(int i=0;i<no_matches_played;i++)
        {
            int number = sc.nextInt();
            scores[i] = number;
        }
        Player p = new Player(id,name,scores,no_matches_played);
        p.cal_avg();
        p.dis_avg();
    }
}
```

Σ Windows PowerShell

```
PS C:\Users\sarayu\Desktop\ooj> javac prac5.java
PS C:\Users\sarayu\Desktop\ooj> java prac5
> Enter player's name:xyz
Enter player's id:36
Enter the number of matches played:4
Enter the scores of player
5
6
4
3
The average score of xyz is 4.5
PS C:\Users\sarayu\Desktop\ooj>
```

ooj

Share View

> This PC > Desktop > ooj

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import java.util.Scanner;

lass Book

```

private String book_id;
private String book_title;
private int no_of_pages;
private int year_of_pub;
private String author;
private String publisher;
private double price;

public Book(String book_id, String book_title, int no_of_pages, int year_of_pub, String author, String publisher, double price) {
    this.book_id = book_id;
    this.book_title = book_title;
    this.no_of_pages = no_of_pages;
    this.year_of_pub = year_of_pub;
    this.author = author;
    this.publisher = publisher;
    this.price = price;
}

public String getBook_title() {
    return book_title;
}

public int getNo_of_pages() {
    return no_of_pages;
}

public String getAuthor() {
    return author;
}

```

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Windows (C)

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prac5	16-10-2020 10:23	JAVA File	2 KB
prac6.class	16-10-2020 10:26	CLASS File	3 KB
prac6	16-10-2020 10:26	JAVA File	4 KB
Prime.class	25-09-2020 14:49	CLASS File	1 KB

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```
public String getAuthor() {  
    return author;  
}  
  
public double getPrice() {  
    return price;  
}  
  
public int getYear_of_pub() {  
    return year_of_pub;  
}  
  
void display()  
{  
    System.out.println("Book ID:"+book_id);  
    System.out.println("Book Title:"+book_title);  
    System.out.println("Number of Pages:"+no_of_pages);  
    System.out.println("Year of Publication:"+year_of_pub);  
    System.out.println("Author:"+author);  
    System.out.println("Publisher:"+publisher);  
    System.out.println("Price:"+price);  
    System.out.println("-----");  
}  
  
public class prac6 {  
    public static void main(String args[]) {  
        String book_id;  
        String book_title;  
        int no_of_pages;  
        int year_of_pub;  
        String author;  
        String publisher;  
        double price;  
    }  
}
```

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```

String author;
String publisher;
double price;
Scanner sc = new Scanner(System.in);
Book [] b = new Book[3];
for(int i=0;i<3;i++) {
    System.out.print("Enter book id:");
    book_id = sc.nextLine();
    System.out.print("Enter book title:");
    book_title = sc.nextLine();
    System.out.print("Enter the number of pages of book:");
    no_of_pages = sc.nextInt();
    System.out.print("Enter the year of publication:");
    year_of_pub = sc.nextInt();
    sc.nextLine();
    System.out.print("Enter author's name:");
    author = sc.nextLine();
    System.out.print("Enter publisher's name:");
    publisher = sc.nextLine();
    System.out.print("Enter price of book:");
    price = sc.nextDouble();
    sc.nextLine();

    b[i] = new Book(book_id, book_title, no_of_pages, year_of_pub, author, publisher, price);
    System.out.println("-----");
}
for(int i=0;i<3;i++)
{
    b[i].display();
}
System.out.println("Enter the author's name to display details:");
String check_author = sc.nextLine();
for(int i=0;i<3;i++)

```

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<input type="checkbox"/> prac5.class	16-10-2020 10:23	CLASS File
<input checked="" type="checkbox"/> prac5	16-10-2020 10:23	JAVA File
<input type="checkbox"/> prac6.class	16-10-2020 10:26	CLASS File
<input checked="" type="checkbox"/> prac6	16-10-2020 10:26	JAVA File
<input type="checkbox"/> Prime.class	25-09-2020 14:49	CLASS File



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```
System.out.println("Enter the author's name to display details:");
String check_author = sc.nextLine();
for(int i=0;i<3;i++)
{
    if(check_author == b[i].getAuthor())
        b[i].display();
}
double max = -999.00;
for(int i=0;i<3;i++)
{
    if(b[i].getPrice()>max)
        max = b[i].getPrice();
}
for(int i=0;i<3;i++)
{
    if(b[i].getPrice()==max)
        b[i].display();
}
int count = 0;
for(int i=0;i<3;i++)
{
    if(b[i].getYear_of_pub()==2020)
        count++;
}
System.out.println("The number of books published in 2020:"+count);
int least = 99999999;
for(int i=0;i<3;i++)
{
    if(b[i].getNo_of_pages()<least)
        least = b[i].getNo_of_pages();
}
for(int i=0;i<3;i++)
{
```

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```
double max = -999.00;
for(int i=0;i<3;i++)
{
    if(b[i].getPrice()>max)
        max = b[i].getPrice();
}
for(int i=0;i<3;i++)
{
    if(b[i].getPrice()==max)
        b[i].display();
}
int count = 0;
for(int i=0;i<3;i++)
{
    if(b[i].getYear_of_pub()==2020)
        count++;
}
System.out.println("The number of books published in 2020:"+count);
int least = 9999999;
for(int i=0;i<3;i++)
{
    if(b[i].getNo_of_pages()<least)
        least = b[i].getNo_of_pages();
}
for(int i=0;i<3;i++)
{
    if(b[i].getNo_of_pages()==least)
        b[i].display();
}
}
```

prac5.class
prac5
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prac6
Prime.class

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```
PS C:\Users\sarayu\Desktop\ooj> javac prac6.java
PS C:\Users\sarayu\Desktop\ooj> java prac6
Enter book id:546
Enter book title:the story
Enter the number of pages of book:100
Enter the year of publication:2015
Enter author's name:xyz
Enter publisher's name:abc
Enter price of book:800
```

```
-----  
Enter book id:456
Enter book title:the horror
Enter the number of pages of book:200
Enter the year of publication:2014
Enter author's name:def
Enter publisher's name:pqr
Enter price of book:900
```

```
-----  
Enter book id:500
Enter book title:the man
Enter the number of pages of book:150
Enter the year of publication:2016
Enter author's name:ghi
Enter publisher's name:jk1
Enter price of book:850
```

```
-----  
Book ID:546
Book Title:the story
Number of Pages:100
Year of Publication:2015
Author:xyz
Publisher:abc
Price:800.0
```

```
-----  
Book ID:456
Book Title:the horror
Number of Pages:200
Year of Publication:2014
Author:def
Publisher:pqr
Price:900.0
```

```
-----  
Book ID:500
```

Book Title:the horror
Number of Pages:200
Year of Publication:2014
Author:def
Publisher:pqr
Price:900.0

Book ID:500
Book Title:the man
Number of Pages:150
Year of Publication:2016
Author:ghi
Publisher:jk1
Price:850.0

Enter the author's name to display details:

xyz
Book ID:456
Book Title:the horror
Number of Pages:200
Year of Publication:2014
Author:def
Publisher:pqr
Price:900.0

The number of books published in 2020:0
Book ID:546
Book Title:the story
Number of Pages:100
Year of Publication:2015
Author:xyz
Publisher:abc
Price:800.0

PS C:\Users\sarayu\Desktop\ooj>