Edit Tools Options

Undo Cut Copy Find... Close Source Code

```
ort java.util.*;
ss Player {
static int id,no_matches_played;
String name;
static int scores[]=new int[no_matches_played];;
Player() {
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter name");
    name=sc.nextLine();
    System.out.println("Enter id");
    id=sc.nextInt();
    System.out.println("Enter number of matches played");
    no_matches_played=sc.nextInt();
    System.out.println("Enter scores");
    scores=new int[no_matches_played];
    for(int i=0;i<no_matches_played;i++) {
        scores[i]=sc.nextInt();
        System.out.println("");
    }
}
double calc() {
    int sum=0;
    for(int i=0;i<no_matches_played;i++)
        sum+=scores[i];
    return (sum/no_matches_played);
}
void disp() {
    System.out.println("Average score of player "+name+" is:"+calc());
}
public static void main(String args[]) {
    Player p1=new Player();
    Player p2=new Player();
    p1.disp();
    p2.disp();
    double a1=p1.calc();
    double a2=p2.calc();
    if(a1>a2) {
        System.out.println("Player with better score is");
        System.out.println("Name:"+p1.name);
        System.out.println("ID:"+p1.id);
```

Edit Tools Options

Undo Cut Copy Source Code

Find... Close

```
    id=sc.nextInt();
    System.out.println("Enter number of matches played");
    no_matches_played=sc.nextInt();
    System.out.println("Enter scores");
    scores=new int[no_matches_played];
    for(int i=0;i<no_matches_played;i++) {
        scores[i]=sc.nextInt();
        System.out.println("");
    }
}
double calc() {
    int sum=0;
    for(int i=0;i<no_matches_played;i++)
        sum+=scores[i];
    return (sum/no_matches_played);
}
void disp() {
    System.out.println("Average score of player "+name+" is:"+calc());
}
public static void main(String args[]) {
    Player p1=new Player();
    Player p2=new Player();
    p1.disp();
    p2.disp();
    double a1=p1.calc();
    double a2=p2.calc();
    if(a1>a2) {
        System.out.println("Player with better score is");
        System.out.println("Name:"+p1.name);
        System.out.println("ID:"+p1.id);
        System.out.println("Average score:"+a1);
    }
    else if(a2>a1) {
        System.out.println("Player with better score is");
        System.out.println("Name:"+p2.name);
        System.out.println("ID:"+p2.id);
        System.out.println("Average score:"+a2);
    }
}
```

```
 Enter name
p1
Enter id
001
Enter number of matches played
3
Enter scores
33

35

37

Enter name
p2
Enter id
002
Enter number of matches played
2
Enter scores
18

22

Player with better score is
Name:p1
ID:2
Average score:35
```

vingclass ×

ompile | Undo | Cut | Copy | Source Code

Paste | Find... | Close

```
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 pub:");
        year_of_pub = sc.nextInt();
        System.out.println("Enter author name:");
        author = sc.next();
        System.out.println("Enter publisher name:");
        publisher = sc.next();
        System.out.println("Enter price:");
        price = sc.nextDouble();
    }

    void printDetails(){
        System.out.println("The book details are:");
        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 name: "+ author);
        System.out.println("publisher: "+ 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;
    }
}
```

vingclass ×

ompile | Undo | Cut | Copy | Source Code

Paste | Find... | Close

```
System.out.println("\n\nEnter author name to find his book: ");
auth = sc.next();
bk1 = b1.bookByAuthor();
if (bk1.equals(auth)){
    b1.printDetails();
}
bk2 = b2.bookByAuthor();
if (bk2.equals(auth)){
    b2.printDetails();
}
bk3 = b3.bookByAuthor();
if (bk3.equals(auth)){
    b3.printDetails();
}

double p1, p2, p3;
p1 = b1.expensive();
p2 = b2.expensive();
p3 = b3.expensive();
System.out.println("\n\nThe details of most expensive book are:");
if(p1>p2){
    if(p1>p3){
       b1.printDetails();
    }
    else{
        b3.printDetails();
    }
}
else {
    if(p2>p3){
        b2.printDetails();
    }
    else{
        b3.printDetails();
    }
}

int count = 0,c1, c2, c3;
c1 = b1.count();
if(c1==2020){
```

vingclass ×

ompile | Undo | Cut | Copy | Source Code

Paste | Find... | Close

```
    else{
        b3.printDetails();
    }
}

int count = 0,c1, c2, c3;
c1 = b1.count();
if(c1==2020){
    count++;
}
c2 = b2.count();
if(c2==2020){
    count++;
}
c3 = b3.count();
if(c3==2020){
    count++;
}
System.out.println("\n\nno of books published in 2020: "+ count);

int page, pg1, pg2, pg3;
pg1=b1.pages();
pg2=b2.pages();
pg3=b3.pages();
System.out.println("\n\nbook with least pages:");
if(pg1<pg2){
    if(pg1<pg3){
       b1.printDetails();
    }
    else{
        b3.printDetails();
    }
}
else {
    if(pg2<pg3){
        b2.printDetails();
    }
    else{
        b3.printDetails();
```

vingclass ×

ompile | Undo | Cut | Copy | Source Code

Paste | Find... | Close

```
    }

    int count = 0,c1, c2, c3;
    c1 = b1.count();
    if(c1==2020){
        count++;
    }
    c2 = b2.count();
    if(c2==2020){
        count++;
    }
    c3 = b3.count();
    if(c3==2020){
        count++;
    }
    System.out.println("\n\nno of books published in 2020: "+ count);

    int page, pg1, pg2, pg3;
    pg1=b1.pages();
    pg2=b2.pages();
    pg3=b3.pages();
    System.out.println("\n\nbook with least pages:");
    if(pg1<pg2){
        if(pg1<pg3){
           b1.printDetails();
        }
        else{
            b3.printDetails();
        }
    }
    else {
        if(pg2<pg3){
            b2.printDetails();
        }
        else{
            b3.printDetails();
        }
    }
}
```

```
Book 1
Enter book id:
100
Enter book title:
Alpha
Enter no of pages:
200
Enter year of pub:
2002
Enter author name:
P1
Enter publisher name:
WB
Enter price:
2000


Book 2
Enter book id:
101
Enter book title:
Beta
Enter no of pages:
1000
Enter year of pub:
2020
Enter author name:
P2
Enter publisher name:
WB
Enter price:
500


Book 3
Enter book id:
102
Enter book title:
Gamma
Enter no of pages:
300
Enter year of pub:
2020
```

```
102
Enter book title:
Gamma
Enter no of pages:
300
Enter year of pub:
2020
Enter author name:
P3
Enter publisher name:
WB
Enter price:
300


Book 1
The book details are:
book id: 100
book title: Alpha
no of pages: 200
year of publish: 2002
author name: P1
publisher: WB
price: 2000.0


Book 2
The book details are:
book id: 101
book title: Beta
no of pages: 1000
year of publish: 2020
author name: P2
publisher: WB
price: 500.0


Book 3
The book details are:
book id: 102
book title: Gamma
no of pages: 300
year of publish: 2020
author name: P3
publisher: WB
```

```
price: 500.0


Book 3
The book details are:
book id: 102
book title: Gamma
no of pages: 300
year of publish: 2020
author name: P3
publisher: WB
price: 300.0


Enter author name to find his book:
P2
The book details are:
book id: 101
book title: Beta
no of pages: 1000
year of publish: 2020
author name: P2
publisher: WB
price: 500.0


The details of most expensive book are:
The book details are:
book id: 100
book title: Alpha
no of pages: 200
year of publish: 2002
author name: P1
publisher: WB
price: 2000.0


no of books published in 2020: 2


book with least pages:
The book details are:
book id: 100
book title: Alpha
no of pages: 200
year of publish: 2002
```

```
The book details are:
book id: 102
book title: Gamma
no of pages: 300
year of publish: 2020
author name: P3
publisher: WB
price: 300.0


Enter author name to find his book:
P2
The book details are:
book id: 101
book title: Beta
no of pages: 1000
year of publish: 2020
author name: P2
publisher: WB
price: 500.0


The details of most expensive book are:
The book details are:
book id: 100
book title: Alpha
no of pages: 200
year of publish: 2002
author name: P1
publisher: WB
price: 2000.0


no of books published in 2020: 2


book with least pages:
The book details are:
book id: 100
book title: Alpha
no of pages: 200
year of publish: 2002
author name: P1
publisher: WB
price: 2000.0
```

Undo | Cut | Copy | Source Code

Find... | Close

```
rt java.util.*;
s oddeven {
void main() {
    Scanner sc=new Scanner(System.in);
    int n;
    System.out.println("Enter value of n");
    n=sc.nextInt();
    int ar[] =new int[n];
    int o=0,e=0;
    System.out.println("Enter values into the array");
    for(int i=0;i<n;i++)
        ar[i]=sc.nextInt();
    for(int i=0;i<n;i++) {
        if(i%2==0)
            e+=ar[i];
        else
            o+=ar[i];
    }
    System.out.println("Sum of even indices is:"+e);
    System.out.println("Sum of odd indices is:"+o);
}
```

```
 Enter value of n
6
Enter values into the array
1
2
3
4
5
6
Sum of even indices is:9
Sum of odd indices is:12
```

numbers ×

Undo | Cut | Copy | Source Code

Find... | Close

```
rt java.util.*;
s types_of_numbers {
void main() {
    Scanner sc=new Scanner(System.in);
    int n;
    System.out.println("Enter value of n");
    n=sc.nextInt();
    int ar[] =new int[n];
    int pos=0,neg=0,zer=0;
    System.out.println("Enter values into the array");
    for(int i=0;i<n;i++)
        ar[i]=sc.nextInt();
    for(int i=0;i<n;i++) {
        if(ar[i]>0)
            pos++;
        else if(ar[i]<0)
            neg++;
        else
            zer++;
    }
    System.out.println("Number of postive numbers is:"+pos);
    System.out.println("Number of negative numbers is:"+neg);
    System.out.println("Number of zeroes is:"+zer);
}
```

```
 Enter value of n
6
Enter values into the array
1
1
-1
-1
1
0
Number of postive numbers is:3
Number of negative numbers is:2
Number of zeroes is:1
```

arket ×

Compile | Undo | Cut | Copy | Source Code

Paste | Find... | Close

```
import java.util.*;
class market {
    void main() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter number of items");
        int x=sc.nextInt();
        double cost[]=new double[x];
        int no[]=new int[x];
        double total=0.0;
        System.out.println("Enter cost per item of the products");
        for(int i=0;i<x;i++)
            cost[i]=sc.nextDouble();
        System.out.println("Enter number of items purchased");
        for(int i=0;i<x;i++) {
            no[i]=sc.nextInt();
            total+=cost[i]*no[i];
        }
        System.out.println("Total bill is:"+total);
        if (total>=10000)
            total=total-(0.05*total);
        else if(total<10000&&total>=7500)
            total=total-(0.03*total);
        else if(total>=5000)
            total=total-(0.02*total);
        else total=total;
        System.out.println("Final bill is:"+total);
    }
}
```

```
 Enter number of items
5
Enter cost per item of the products
100
200
300
400
500
Enter number of items purchased
5
4
3
2
1
Total bill is:3500.0
Final bill is:3500.0
```

minmax ×

Compile | Undo | Cut | Copy | Source Code

Paste | Find... | Close

```
import java.util.*;
class minmax {
    void main() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter size of array");
        int n=sc.nextInt();
        int a[]=new int[n];
        int bs=0,cs=0;
        System.out.println("Enter elements of array");
        for(int i=0;i<n;i++) {
            a[i]=sc.nextInt();
            if(a[i]%2==0)
                cs++;
            else
                bs++;
        }
        int b[]=new int[bs];
        int c[]=new int[cs];
        for(int i=0;i<bs;i++) {
            for(int j=0;j<n;j++) {
            if(a[j]%2!=0)
                b[i]=a[j];
            }
        }

        for(int i=0;i<cs;i++) {
            for(int j=0;j<n;j++) {
            if(a[j]%2==0)
                c[i]=a[j];
            }
        }
        int sum=0,max=0,min=c[0];
        double avg=0.0;
        for(int i=0;i<cs;i++) {
            sum+=c[i];
            if(c[i]>max)
                max=c[i];
            else if(min>c[i])
                min=c[i];
```

Compile | Undo | Cut | Copy | Source Code

Paste | Find... | Close

```
int bs=0,cs=0;
System.out.println("Enter elements of array");
for(int i=0;i<n;i++) {
    a[i]=sc.nextInt();
    if(a[i]%2==0)
        cs++;
    else
        bs++;
}
int b[]=new int[bs];
int c[]=new int[cs];
for(int i=0;i<bs;i++) {
    for(int j=0;j<n;j++) {
    if(a[j]%2!=0)
        b[i]=a[j];
    }
}

for(int i=0;i<cs;i++) {
    for(int j=0;j<n;j++) {
    if(a[j]%2==0)
        c[i]=a[j];
    }
}
int sum=0,max=0,min=c[0];
double avg=0.0;
for(int i=0;i<cs;i++) {
    sum+=c[i];
    if(c[i]>max)
        max=c[i];
    else if(min>c[i])
        min=c[i];
    }
avg=sum/cs;
System.out.println("Sum is:"+sum);
System.out.println("Average is:"+avg);
System.out.println("Maximum is:"+max);
System.out.println("Minimum is:"+min);
}
```

```
 Enter size of array
5
Enter elements of array
1
2
3
4
5
Sum is:6
Average is:3.0
Maximum is:4
Minimum is:2
```