Class Edit Tools Options

program ×

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```
import java.util.Scanner;
public class program
    { public static void mains()
     {
        Scanner sc=new Scanner(System.in);
        int n;
        System.out.println("enter the number of elements:");
        n=sc.nextInt();
       int[] a=new int[n];
       int i;
       System.out.println("enter the elements of the array:");
       for(i=0;i<n;i++)
       {
           a[i]=sc.nextInt();}
        int p=0; int neg=0; int zer=0;
        for(i=0;i<n;i++)
        {
            if(a[i]>0)
            {
                p++; }
            if(a[i]<0)
            {
                neg++;}
            if(a[i]==0)
            {
                zer++;
            }}
        System.out.println("the total number of positive elements:"+p);
        System.out.println("the total number of negative elements:"+neg);
        System.out.println("the total number of zeroes:"+zer);
    }}
```

Options

```
 enter the number of elements:
5
enter the elements of the array:
1
2
3
0
0
the total number of positive elements:3
the total number of negative elements:0
the total number of zeroes:2
```

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program ×

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```
import java.util.Scanner;
public class program
   { public static void mains()
    {
        Scanner sc=new Scanner(System.in);
        int n;
        System.out.println("enter the number of elements:");
        n=sc.nextInt();
       int[] a=new int[n];
       int i;
       System.out.println("enter the elements of the array:");
       for(i=0;i<n;i++)
       {
           a[i]=sc.nextInt();}
           int evensum=0;
           int oddsum=0;
           for(i=0;i<n;i++)
           { if(i%2==0)
               { evensum+=a[i];
                }
                else
                { oddsum+=a[i];
                }}
               System.out.println("the sum of elements in even indices="+evensum);
               System.out.println("the sum of elements in odd indices="+oddsum);
        }}
```

Options

```
 enter the number of elements:
5
enter the elements of the array:
1
2
3
4
5
the sum of elements in even indices=9
the sum of elements in odd indices=6
```

```java
import java.util.*;
public class Main{
public static void main(String[] args){
int n;
double totalbill=0.0,finalbill=0.0;
Scanner in=new Scanner(System.in);
System.out.println("Enter total number of items");
n=in.nextInt();
double rate[]=new double[n];
int quat[]=new int[n];
System.out.println("Enter both rate and quantity");
for(int i=0;i<n;i++)
{
rate[i]=in.nextDouble();
quat[i]=in.nextInt();
}
for(int i=0;i<n;i++)
{
totalbill+=(rate[i]*quat[i]);}
System.out.println("Totalbill after counting is "+totalbill);
if(totalbill>=10000)
{
finalbill=(totalbill-(totalbill*0.05));
System.out.println("Finalbill after discount :"+finalbill);}
else if(totalbill>=7500)
{
finalbill=(totalbill-(totalbill*0.03));
System.out.println("Finalbill after discount :"+finalbill);}
else if(totalbill>=5000)
{
finalbill=(totalbill-(totalbill*0.02));
System.out.println("Finalbill after discount :"+finalbill);}
else
{
System.out.println("Finalbill after discount :"+totalbill);}}}
```

```
Enter total number of items
3
Enter both rate and quantity
3
10000
5
5000
4
2500
Totalbill after counting is 65000.0
Finalbill after discount :61750.0
```

```java
import java.util.*;
class Player{
int id;
String name;
int n;
double scores[];
double sum=0.0;


Player(){
Scanner in=new Scanner(System.in);
System.out.println("Enter the name and id of the player");
name = in.nextLine();
id = in.nextInt();
System.out.println("Enter number of matches played by the player :");
n=in.nextInt();
System.out.println("No of scores scored by played in every match :");
scores=new double[n];
for(int i=0;i<n;i++)
{
scores[i]=in.nextDouble();
}

}


double avg_score(){
for(int i=0;i<n;i++)
```

```
27  double avg_score(){
28  for(int i=0;i<n;i++)
29  {
30  sum+=scores[i];
31  }
32  return sum/n;
33  }
34
35  void display(){
36  System.out.println("Details of best player among two");
37  System.out.println("Name:"+name);
38  System.out.println("id:"+id);
39  System.out.println("No of matches played:"+n);
40  System.out.println("No of scores scored by played in every match :");
41  for(int i=0;i<n;i++)
42  {
43  System.out.println(+scores[i]);
44  }
45  }
46  }
47  class Main{
48  public static void main(String args[]){
49
50  Player p1=new Player();
51  Player p2=new Player();
52
53  double avg1=0.0,avg2=0.0;
54
55  avg1=p1.avg_score();
```

```
45  }
46  }
47  class Main{
48  public static void main(String args[]){
49
50  Player p1=new Player();
51  Player p2=new Player();
52
53  double avg1=0.0,avg2=0.0;
54
55  avg1=p1.avg_score();
56  System.out.println("Average score of player1."+avg1);
57
58  avg2=p2.avg_score();
59  System.out.println("Average score of player2."+avg2);
60
61  if(avg1>avg2)
62  {
63  System.out.println("Average score of player1 is greater :");
64  p1.display();
65  }
66  else
67  {
68  System.out.println("Average score of player2 is greater :");
69  p2.display();
70  }
71  }
72  }
```

```
Enter the name and id of the player
tanishq
104
Enter number of matches played by the player :
3
No of scores scored by played in every match :
2
4
1
Enter the name and id of the player
brent
107
Enter number of matches played by the player :
2
No of scores scored by played in every match :
4
3
Average score of player1.2.3333333333333335
Average score of player2.3.5
Average score of player2 is greater :
Details of best player among two
Name:brent
id:107
No of matches played:2
No of scores scored by played in every match :
4.0
3.0
```

```java
import java.util.*;
 public class book
{
    String bookid,booktitle,author,publisher;
    int no_of_page,year_of_pub,price;
    void accept()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter book id:");
        bookid=sc.nextLine();
         System.out.println("enter book title:");
        booktitle=sc.nextLine();
         System.out.println("enter author of the book :");
        author=sc.nextLine();
         System.out.println("enter publisher of the book:");
        publisher=sc.nextLine();
         System.out.println("enter no of pages of the book:");
        no_of_page=sc.nextInt();
        System.out.println("enter year of publish:");
       year_of_pub=sc.nextInt();
        System.out.println("enter price of the book:");
        price=sc.nextInt();
    }
    void display()
    {
        System.out.println("details of the book:");
        System.out.println("book id:"+bookid);
        System.out.println("book title:"+booktitle);
        System.out.println("author:"+author);
        System.out.println("publisher:"+publisher);
        System.out.println("no of pages:"+no_of_page);
        System.out.println("year of publish:"+year_of_pub);
        System.out.println("price of the book:"+price);
    }
    static void expensive(int p1,int p2,int p3,String t1,String t2,String t3)
    {
        String exp="";
        if((p1>p2)&&(p1>p3))
        exp=t1;
        else if(p2>p3)
        exp=t2;
        else
        exp=t3;
        System.out.println("most expensive book:"+exp);
    }
```

```
41          exp=t2;
42          else
43          exp=t3;
44          System.out.println("most expensive book:"+exp);
45      }
46      static void count(int b1,int b2,int b3)
47      {
48          int c=0;
49          if(b1==2020)
50          c++;
51          if(b2==2020)
52          c++;
53          if(b3==2020)
54          c++;
55          System.out.println("no of books published in 2020:"+c);
56      }
57      static void number(book o1, book o2,book o3)
58      {
59          book object=new book();
60          if((o1.no_of_page<o2.no_of_page)&&(o1.no_of_page<o3.no_of_page))
61          object=o1;
62          else if(o2.no_of_page<o3.no_of_page)
63          object=o2;
64          else
65          object=o3;
66          System.out.println("details of the book with least number of pages:");
67          System.out.println("details of the book:");
68          System.out.println("book id:"+object.bookid);
69          System.out.println("book title:"+object.booktitle);
70          System.out.println("author:"+object.author);
71          System.out.println("publisher:"+object.publisher);
72          System.out.println("no of pages:"+object.no_of_page);
73          System.out.println("year of publish:"+object.year_of_pub);
74          System.out.println("price of the book:"+object.price);
75      }
76
77      public static void main(String args[])
78      {
79          book obj1=new book();
80          book obj2=new book();
81          book obj3=new book();
82          System.out.println("book 1:");
83          obj1.accept();
84          System.out.println("book 2:");
85          obj2.accept();
```

```
65          object=o3;
66          System.out.println("details of the book with least number of pages:");
67          System.out.println("details of the book:");
68          System.out.println("book id:"+object.bookid);
69          System.out.println("book title:"+object.booktitle);
70          System.out.println("author:"+object.author);
71          System.out.println("publisher:"+object.publisher);
72          System.out.println("no of pages:"+object.no_of_page);
73          System.out.println("year of publish:"+object.year_of_pub);
74          System.out.println("price of the book:"+object.price);
75      }
76
77      public static void main(String args[])
78      {
79          book obj1=new book();
80           book obj2=new book();
81            book obj3=new book();
82            System.out.println("book 1:");
83            obj1.accept();
84             System.out.println("book 2:");
85            obj2.accept();
86             System.out.println("book 3:");
87            obj3.accept();
88            System.out.println("book 1:");
89            obj1.display();
90             System.out.println("book 2:");
91            obj2.display();
92             System.out.println("book 3:");
93            obj3.display();
94            expensive(obj1.price,obj2.price,obj3.price,obj1.booktitle,obj2.booktitle,obj3.booktitle);
95            count(obj1.year_of_pub,obj2.year_of_pub,obj3.year_of_pub);
96            number(obj1,obj2,obj3);
97      }
98  }
```

```
book 1:
enter book id:
s22
enter book title:
harry potter
enter author of the book :
jk rowling
enter publisher of the book:
mark
enter no of pages of the book:
600
enter year of publish:
1999
enter price of the book:
2000
book 2:
enter book id:
s27
enter book title:
the glass house
enter author of the book :
derik
enter publisher of the book:
dylan
enter no of pages of the book:
400
enter year of publish:
2020
enter price of the book:
1870
book 3:
enter book id:
s11
enter book title:
my dark venessa
enter author of the book :
brent
enter publisher of the book:
dom
enter no of pages of the book:
250
enter year of publish:
2017
enter price of the book:
700
```

```
enter year of publish:
2017
enter price of the book:
700
book 1:
details of the book:
book id:s22
book title:harry potter
author:jk rowling
publisher:mark
no of pages:600
year of publish:1999
price of the book:2000
book 2:
details of the book:
book id:s27
book title:the glass house
author:derik
publisher:dylan
no of pages:400
year of publish:2020
price of the book:1870
book 3:
details of the book:
book id:s11
book title:my dark venessa
author:brent
publisher:dom
no of pages:250
year of publish:2017
price of the book:700
most expensive book:harry potter
no of books published in 2020:1
details of the book with least number of pages:
details of the book:
book id:s11
book title:my dark venessa
author:brent
publisher:dom
no of pages:250
year of publish:2017
price of the book:700
```

```java
import java.util.*;
public class evenarray{
    public static void main(String args[]){
        int ar[],n,o[],e[],temp1=0,temp2=0,i,sum = 0;
        Scanner in = new Scanner(System.in);
        System.out.print("Enter number of elements :\n");
        n = in.nextInt();
        ar = new int[n];
        int m = n/2 + 1;
        o = new int[m];
        e = new int[m];
        System.out.print("Enter "+n+" elements :\n ");
        for(i = 0;i < n; i++)
            ar[i] = in.nextInt();
        for(i = 0;i < n; i++)
        {
            if(ar[i] % 2 == 0)
                e[temp1++] = ar[i];
            else
                o[temp2++] = ar[i];
         }
         System.out.print("Even elements in array :\n");
         for(i = 0;i < temp1; i++)
            System.out.print(e[i]+" ");
         System.out.println();
         System.out.print("Odd elements in array :\n ");
         for(i = 0;i < temp2; i++)
            System.out.print(o[i]+" ");

         int min = e[0];
         int max = e[0];
        for(i = 0;i < temp1; i++)
        {
            sum = sum + e[i];
            if (e[i]>max) max = e[i];
            if (e[i]<min) min = e[i];
        }
        float avg = sum/temp1;
        System.out.println("\nSum of even array :"+sum);
        System.out.println("Average of even array :"+avg);
        System.out.println("Maximum value in even array :"+max);
        System.out.println("Minimum value in even array :"+min);
    }
}
```

```
Enter number of elements :
5
Enter 5 elements :
 2
 9
 6
 4
 7
 Even elements in array :
2 6 4
Odd elements in array :
 9 7
Sum of even array :12
Average of even array :4.0
Maximum value in even array :6
Minimum value in even array :2
```