

Prac1 - Notepad

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```
import java.util.Scanner;
public class Prac1 {
    public static void main(String[] args) {
        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements:");
        n = sc.nextInt();
        int [] arr;
        arr = new int[n];
        System.out.println("Enter the elements of array:");
        for(int i=0;i<n;i++)
        {
            arr[i]=sc.nextInt();
        }

        int sum_even = 0;
        int sum_odd = 0;

        for(int i=0;i<n;i++)
        {
            if(i%2!=0)
                sum_even += arr[i];

            else
                sum_odd += arr[i];
        }

        System.out.println("Sum of even indices:"+sum_even);
        System.out.println("Sum of odd indices:"+sum_odd);
    }
}
```

Windows PowerShell

```
PS C:\Users\sarayu\Desktop\ooj> javac Prac1.java
PS C:\Users\sarayu\Desktop\ooj> java Prac1
Enter the number of elements:
6
Enter the elements of array:
0
2
4
6
8
10
Sum of even indices:18
Sum of odd indices:12
PS C:\Users\sarayu\Desktop\ooj> -
```

Prac2 - Notepad

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```
import java.util.Scanner;

public class Prac2 {

    public static void main(String[] args) {
        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements:");
        n = sc.nextInt();
        int [] arr;
        arr = new int[n];
        System.out.println("Enter the elements of array:");
        for(int i=0;i<n;i++)
        {
            arr[i]=sc.nextInt();
        }

        int pos = 0;
        int neg = 0;
        int zer = 0;

        for(int i=0;i<n;i++)
        {
            if(arr[i] > 0)
                pos++;
            else if(arr[i] < 0)
                neg++;
            else
                zer++;
        }
    }
}
```

Values.class

25-09-2020 14:29

Values

25-09-2020 14:29



Type here to search



Prac2 - Notepad

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```
System.out.println("Enter the number of elements:");
n = sc.nextInt();
int [] arr;
arr = new int[n];
System.out.println("Enter the elements of array:");
for(int i=0;i<n;i++)
{
    arr[i]=sc.nextInt();
}

int pos = 0;
int neg = 0;
int zer = 0;

for(int i=0;i<n;i++)
{
    if(arr[i] > 0)
        pos++;
    else if(arr[i] < 0)
        neg++;
    else
        zer++;
}

System.out.println("Number of positive numbers:"+pos);
System.out.println("Number of negative numbers:"+neg);
System.out.println("Number of zero numbers:"+zer);
```

}

Values.class

25-09-2020 14:29

Values

25-09-2020 14:29

Windows PowerShell

```
PS C:\Users\sarayu\Desktop\ooj> javac Prac2.java
PS C:\Users\sarayu\Desktop\ooj> java Prac2
Enter the number of elements:
4
Enter the elements of array:
1
-2
0
5
Number of positive numbers:2
Number of negative numbers:1
Number of zero numbers:1
PS C:\Users\sarayu\Desktop\ooj>
```

obj

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Prac3 - Notepad

```
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import java.util.Scanner;

public class Prac3 {

    public static void main(String[] args) {
        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of items purchased:");
        n = sc.nextInt();
        int [] arr1;
        double [] arr2;
        arr1 = new int[n];
        arr2 = new double[n];
        double tot_amt = 0.0;
        double final_amt = 0.0;
        System.out.println("Enter the cost of each item:");
        for(int i=0;i<n;i++)
        {
            arr2[i]=sc.nextDouble();
        }
        System.out.println("Enter the quantity of each item:");
        for(int i=0;i<n;i++)
        {
            arr1[i]=sc.nextInt();
        }
        for(int i=0;i<n;i++)
        {
            tot_amt += arr1[i]*arr2[i];
        }
        if(tot_amt>=10000)
        {
            final_amt = tot_amt*1.05;
        }
        else
        {
            final_amt = tot_amt;
        }
        System.out.println("The total amount is "+final_amt);
    }
}
```

<input type="checkbox"/>	Student.class	09-10-2020 14:22	CLAS
<input checked="" type="checkbox"/>	Student	09-10-2020 13:33	JAVA
<input type="checkbox"/>	Values.class	25-09-2020 14:39	CLAS
<input checked="" type="checkbox"/>	Values	25-09-2020 14:29	JAVA

Prac3 - Notepad

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```
{  
    arr2[i]=sc.nextDouble();  
}  
System.out.println("Enter the quantity of each item:");  
for(int i=0;i<n;i++)  
{  
    arr1[i]=sc.nextInt();  
}  
for(int i=0;i<n;i++)  
{  
    tot_amt += arr1[i]*arr2[i];  
}  
if(tot_amt>=10000)  
{  
    final_amt = tot_amt - tot_amt*0.05;  
}  
  
else if(tot_amt>=7500 && tot_amt<10000)  
{  
    final_amt = tot_amt - tot_amt*0.03;  
}  
else if(tot_amt>=5000)  
{  
    final_amt = tot_amt - tot_amt*0.02;  
}  
  
System.out.println("Final Amount:"+final_amt);  
}
```

<input type="checkbox"/> Student.class	09-10-2020 14:22	CLASS File
<input checked="" type="checkbox"/> Student	09-10-2020 13:33	JAVA File
<input type="checkbox"/> Values.class	25-09-2020 14:29	CLASS File
<input checked="" type="checkbox"/> Values	25-09-2020 14:29	JAVA File

Type here to search



Windows PowerShell

```
PS C:\Users\sarayu\Desktop\oop> javac Prac3.java
PS C:\Users\sarayu\Desktop\oop> java Prac3
Enter the number of items purchased:
3
Enter the cost of each item:
100
200
150
Enter the quantity of each item:
10
20
30
Final Amount:9215.0
PS C:\Users\sarayu\Desktop\oop>
```

Prac4 - Notepad

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```
import java.util.Scanner;
```

```
public class Prac4 {
```

```
    public static void main(String[] args) {
        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of elements:");
        n = sc.nextInt();
        int [] a;
        int [] b;
        int [] c;
        a = new int[n];
        b = new int[n];
        c = new int[n];
        int k=0,h=0;
        System.out.println("Enter the elements of array:");
        for(int i=0;i<n;i++)
        {
            a[i]=sc.nextInt();
            if(a[i]%2==0)
                c[k] = a[i];
                k++;
            }
            else{
                b[h]=a[i];
                h++;
            }
        }
        int sum=0;
        double avg = 0.0;
        int max = -9999;
        for(int i=0;i<h;i++)
```

Quadratic.class

09-10-2020 13:05

quadratic

09-10-2020 12:46

Student.class

09-10-2020 14:11

Student

09-10-2020 13:33

Prac4 - Notepad

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```
System.out.println("Enter the elements of array:");
for(int i=0;i<n;i++)
{
    a[i]=sc.nextInt();
    if(a[i]%2==0) {
        c[k] = a[i];
        k++;
    }
    else{
        b[h]=a[i];
        h++;
    }
}
int sum=0;
double avg = 0.0;
int max = -9999;
for(int i=0;i<h;i++)
{
    sum += b[i];
}
avg = (sum*1.0)/k;
for(int i=0;i<h;i++)
{
    if(b[i]>max)
        max=b[i];
}
System.out.println("Sum of C:"+sum);
System.out.println("Average of C:"+avg);
System.out.println("Maximum value of C:"+max);
}
```

Windows PowerShell
PS C:\Users\sarayu\Desktop\ooj> javac Prac4.java
PS C:\Users\sarayu\Desktop\ooj> java Prac4
Enter the number of elements:
4
Enter the elements of array:
1
2
3
4
Sum of c:4
Average of c:2.0
Maximum value of c:3
PS C:\Users\sarayu\Desktop\ooj> _