

```
array1.java - Notepad
File Edit Format View Help
import java.util.Scanner;
class array1
{
public static void main(String[] args)
{
int n,i;
int odd_sum=0;
int even_sum=0;
int a[];
Scanner s1= new Scanner(System.in);
System.out.println("enter the value of n:");
n = s1.nextInt();
a=new int[n];
for(i=0;i<n;i++)
{
System.out.println("Enter a[" + i + "]");
a[i] = s1.nextInt();
}
System.out.println();

for(i=0;i<n;i++)
{
if(a[i]%2 == 0)
{
even_sum = even_sum + a[i];
}
else
{
odd_sum = odd_sum + a[i];
}
}
System.out.println("sum of even numbers:" + even_sum );
System.out.println("sum of odd numbers:" + odd_sum );
}
}
```

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.18362.1082]
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C:\Users\Appy>cd desktop
C:\Users\Appy\Desktop>cd java lab
C:\Users\Appy\Desktop\java lab>javac array1.java
C:\Users\Appy\Desktop\java lab>java array1
enter the value of n:
4
Enter a[0]
10
Enter a[1]
15
Enter a[2]
20
Enter a[3]
25

sum of even numbers:30
sum of odd numbers:40

C:\Users\Appy\Desktop\java lab>_
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```
array2.java - Notepad
File Edit Format View Help
import java.util.Scanner;
class array2
{
public static void main(String[] args)
{
int n,i;
int pos=0;
int neg=0;
int zero=0;
int a[];
Scanner s2 = new Scanner(System.in);
System.out.println("enter the value of n:");
n = s2.nextInt();
a = new int[n];
for(i=0;i<n;i++)
{
System.out.println("enter the elements of array [" + i + "]");
a[i]= s2.nextInt();
}

for(i=0;i<n;i++)
{
if(a[i]>0)
{
pos++;
}
else if(a[i]<0)
{
neg++;
}
else
{
zero++;
}
}
System.out.println("Total positive number:" + pos);
System.out.println("Total negative number:" + neg);
System.out.println("Total zero:" + zero);
}
```

```
C:\WINDOWS\system32\cmd.exe
C:\Users\Appy>cd desktop
C:\Users\Appy\Desktop>cd java lab
C:\Users\Appy\Desktop\java lab>javac array2.java
C:\Users\Appy\Desktop\java lab>java array2
enter the value of n:
8
enter the elements of array [0]
4
enter the elements of array [1]
8
enter the elements of array [2]
0
enter the elements of array [3]
-9
enter the elements of array [4]
-8
enter the elements of array [5]
0
enter the elements of array [6]
4
enter the elements of array [7]
-5
Total positive number:3
Total negative number:3
Total zero:2
C:\Users\Appy\Desktop\java lab>
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```

array3.java - Notepad
File Edit Format View Help
import java.util.Scanner;
class array3
{
    public static void main(String[] args)
    {
        int i,n;
        double totalbill=0.0;
        double finalbill=0.0;
        double rate[];
        int quantity[];
        Scanner s3= new Scanner(System.in);
        System.out.println("enter the value of n:");
        n = s3.nextInt();
        rate = new double[n];
        quantity = new int[n];
        for(i=0;i<n;i++)
        {
            System.out.println("enter the rate of item" + (i+1));
            rate[i] = s3.nextDouble();
            System.out.println("enter the quantity of item" + (i+1));
            quantity[i] = s3.nextInt();
            totalbill+=(rate[i]*quantity[i]);
        }
        if (totalbill >= 10000)
        {
            finalbill = (0.95*totalbill);
        }
        else if ((totalbill < 10000) && (totalbill >= 7500))
        {
            finalbill = (0.97*totalbill);
        }
        else if (totalbill >= 5000)
        {
            finalbill = (0.98*totalbill);
        }
        System.out.println("the final amount of the bill:"+ finalbill);
    }
}

```

```

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C:\Users\Appy>cd desktop

C:\Users\Appy\Desktop>cd java lab

C:\Users\Appy\Desktop\java lab>javac array3.java

C:\Users\Appy\Desktop\java lab>java array3
enter the value of n:
4
enter the rate of item1
1000
enter the quantity of item1
1
enter the rate of item2
2000
enter the quantity of item2
1
enter the rate of item3
1500
enter the quantity of item3
1
enter the rate of item4
3000
enter the quantity of item4
1
the final amount of the bill:7275.0

C:\Users\Appy\Desktop\java lab>

```

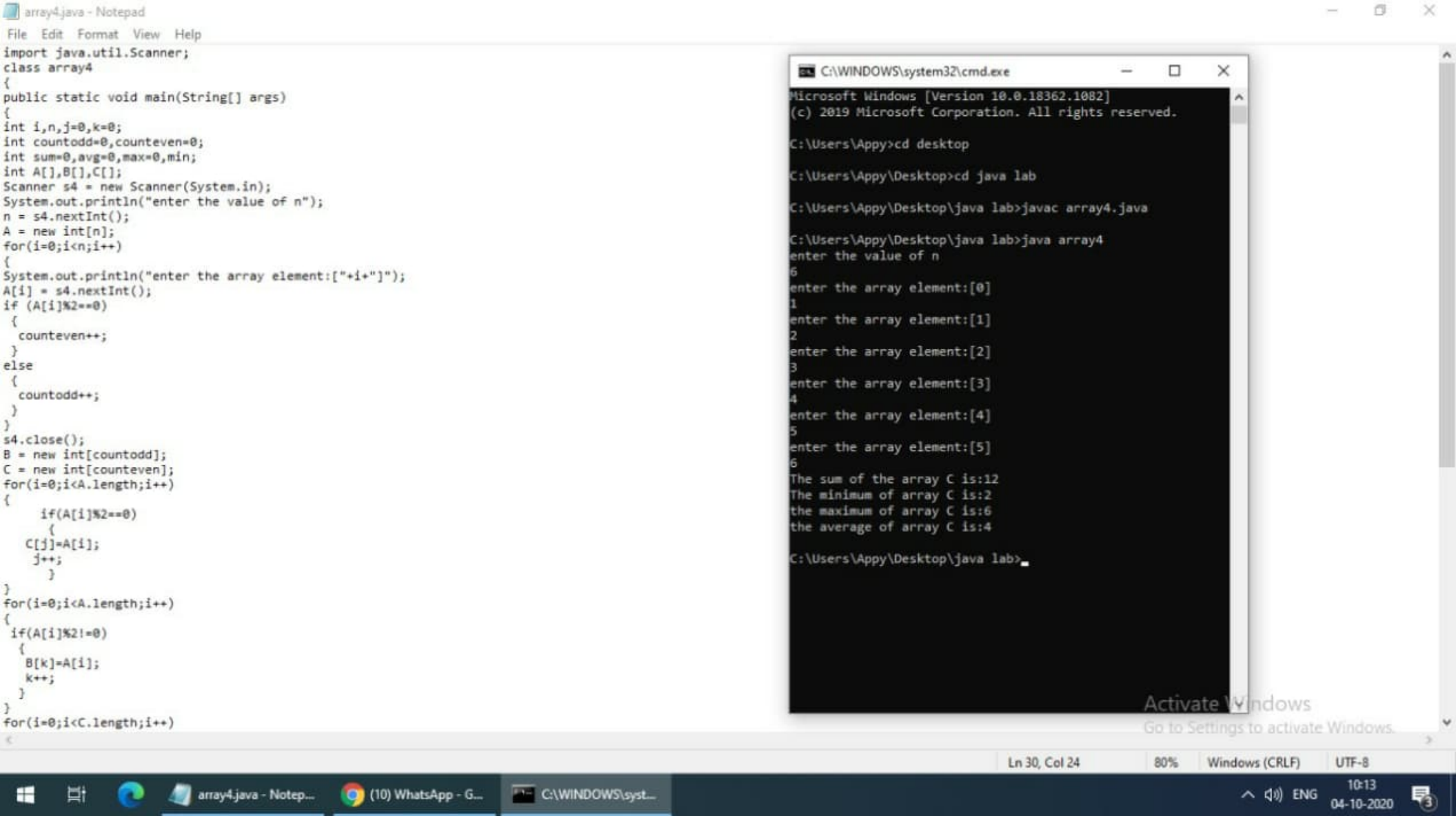
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Ln 7, Col 22

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Windows (CRLF)

UTF-8



```
array4.java - Notepad
File Edit Format View Help
import java.util.Scanner;
class array4
{
public static void main(String[] args)
{
int i,n,j=0,k=0;
int countodd=0,counteven=0;
int sum=0,avg=0,max=0,min;
int A[],B[],C[];
Scanner s4 = new Scanner(System.in);
System.out.println("enter the value of n");
n = s4.nextInt();
A = new int[n];
for(i=0;i<n;i++)
{
System.out.println("enter the array element:["+i+"]");
A[i] = s4.nextInt();
if (A[i]%2==0)
{
counteven++;
}
else
{
countodd++;
}
}
s4.close();
B = new int[countodd];
C = new int[counteven];
for(i=0;i<A.length;i++)
{
if(A[i]%2==0)
{
C[j]=A[i];
j++;
}
}
for(i=0;i<A.length;i++)
{
if(A[i]%2!=0)
{
B[k]=A[i];
k++;
}
}
for(i=0;i<C.length;i++)
```

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C:\Users\Appy>cd desktop

C:\Users\Appy\Desktop>cd java lab

C:\Users\Appy\Desktop\java lab>javac array4.java

C:\Users\Appy\Desktop\java lab>java array4
enter the value of n
6
enter the array element:[0]
1
enter the array element:[1]
2
enter the array element:[2]
3
enter the array element:[3]
4
enter the array element:[4]
5
enter the array element:[5]
6
The sum of the array C is:12
The minimum of array C is:1
the maximum of array C is:6
the average of array C is:3.5

C:\Users\Appy\Desktop\java lab>
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array4.java - Notepad
File Edit Format View Help
C = new int[counteven];
for(i=0;i<A.length;i++)
{
    if(A[i]%2==0)
    {
        C[j]=A[i];
        j++;
    }
}
for(i=0;i<A.length;i++)
{
    if(A[i]%2!=0)
    {
        B[k]=A[i];
        k++;
    }
}
for(i=0;i<C.length;i++)
{
    sum+=C[i];
}
min = C[0];
for(i=0;i<C.length;i++)
{
    if(C[i]<min)
    {
        min = C[i];
    }
}
for(i=0;i<C.length;i++)
{
    if(C[i]>max)
    {
        max = C[i];
    }
}
for(i=0;i<C.length;i++)
{
    avg = sum/counteven;
}
System.out.println("The sum of the array C is:"+sum);
System.out.println("The minimum of array C is:"+min);
System.out.println("the maximum of array C is:"+max);
System.out.println("the average of array C is:"+avg);
}
}

```

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C:\Users\Appy\Desktop>cd java lab

C:\Users\Appy\Desktop\java lab>javac array4.java

C:\Users\Appy\Desktop\java lab>java array4
enter the value of n
6
enter the array element:[0]
1
enter the array element:[1]
2
enter the array element:[2]
3
enter the array element:[3]
4
enter the array element:[4]
5
enter the array element:[5]
6
The sum of the array C is:12
The minimum of array C is:2
the maximum of array C is:6
the average of array C is:4

C:\Users\Appy\Desktop\java lab>

```

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