OOJ EXTRA LAB PROGRAMS

1.

C:\Users\admin\Documents\EvenOdd.java - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

change.log | EvenOdd.java | count_pos_neg_zero.java | EvenOddItem.java | SuperMarket.java

```
import java.io.*;
import java.util.*;
public class EvenOdd
{
  public static void findsum(int sum[],int n)
  {int evensum=0;
int oddsum=0;
  for(int i=0;i<n;i++)
  {
  if(i%2==0)
  {
   evensum=evensum+sum[i];
  }
  else
  {
   oddsum=oddsum+sum[i];
  }
  }
  System.out.println("Sum of values at all even indices is:"+evensum);
   System.out.println("Sum of values at all odd indices is:"+oddsum);
  }
public static void main(String[] args)
{
Scanner sc=new Scanner(System.in);
System.out.println("Please enter the number of terms:");
int n=sc.nextInt();
int sum[]=new int[n];
for(int i=0;i<n;i++)
{
System.out.println("Please enter the "+" "+(i+1)+" "+" term:");
sum[i]=sc.nextInt();
}
findsum(sum,n);

}
}
```

C:\Windows\system32\cmd.exe

```
Microsoft Windows [Version 10.0.18363.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\admin>cd Documents

C:\Users\admin\Documents>set path="C:\Program Files\Java\jdk1.8.0_261\bin"

C:\Users\admin\Documents>javac EvenOdd.java

C:\Users\admin\Documents>java EvenOdd
Please enter the number of terms:
4
Please enter the  1  term:
1
Please enter the  2  term:
2
Please enter the  3  term:
3
Please enter the  4  term:
4
Sum of values at all even indices is:4
Sum of values at all odd indices is:6

C:\Users\admin\Documents>
```

2.

C:\Users\admin\Documents\count_pos_neg_zero.java - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

change.log | EvenOdd.java | count_pos_neg_zero.java | EvenOddItem.java | SuperMarket.java

```
import java.io.*;
import java.util.*;
public class count_pos_neg_zero
{
public static void count(int cnt[],int n)
{
int cntz=0;
int cntn=0;
int cntp=0;

for(int i=0;i<n;i++)
{
if(cnt[i]==0)
{
cntz++;
}
else if(cnt[i]<0)
{
cntn++;
}
else if(cnt[i]>0)
{
cntp++;
}
}
System.out.println("Count of zeroes is:"+cntz);
System.out.println("Count of negative numbers is:"+cntn);
System.out.println("Count of positive numbers is:"+cntp);

}
public static void main(String[] args)
{
Scanner sc=new Scanner(System.in);
System.out.println("Enter the number of terms");
int n=sc.nextInt();
int cnt[]=new int[n];
for(int i=0;i<n;i++)
{
for(int i=0;i<n;i++)
{
if(cnt[i]==0)
{
cntz++;
}
else if(cnt[i]<0)
{
cntn++;
}
else if(cnt[i]>0)
{
cntp++;
}
}
System.out.println("Count of zeroes is:"+cntz);
System.out.println("Count of negative numbers is:"+cntn);
System.out.println("Count of positive numbers is:"+cntp);

}
public static void main(String[] args)
{
Scanner sc=new Scanner(System.in);
System.out.println("Enter the number of terms");
int n=sc.nextInt();
int cnt[]=new int[n];
for(int i=0;i<n;i++)
{
    System.out.println("Please enter the "+(i+1)+" term");
    cnt[i]=sc.nextInt();
}


count(cnt,n);

}
}
```

C:\Windows\system32\cmd.exe

```
C:\Users\admin\Documents>java count_pos_neg_zero
Enter the number of terms
3
Please enter the 1 term
-1
Please enter the 2 term
2
Please enter the 3 term
0
Count of zeroes is:1
Count of negative numbers is:1
Count of positive numbers is:1

C:\Users\admin\Documents>
```

3.

C:\Users\admin\Documents\SuperMarket.java - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

change.log | EvenOdd.java | count_pos_neg_zero.java | EvenOddItem.java | SuperMarket.java

```
import java.io.*;
import java.util.*;
public class SuperMarket
{
public static void main(String[] args)
{
double totalprice=0;
double finalprice=0;
Scanner sc=new Scanner(System.in);
System.out.println("Please enter the number of items");
int n=sc.nextInt();
double rate[]=new double[n];
int qty[]=new int[n];
for(int i=0;i<n;i++)
{
System.out.println("Please enter the rate of item "+(i+1)+":");
rate[i]=sc.nextDouble();
System.out.println("Please enter the quantity of item "+(i+1)+":");
qty[i]=sc.nextInt();
totalprice=totalprice+(rate[i]*qty[i]);
}
if(totalprice>=10000)
{
finalprice=totalprice-(0.05*totalprice);
System.out.println("THE FINAL BILL AMOUNT IS: "+finalprice);
}
else if(totalprice>=7500 && totalprice<10000)
{
finalprice=totalprice-(0.03*totalprice);
System.out.println("THE FINAL BILL AMOUNT IS: "+finalprice);
}
else if(totalprice>=5000&&totalprice<7000)
{
finalprice=totalprice-(0.02*totalprice);
System.out.println("THE FINAL BILL AMOUNT IS: "+finalprice);
}
else
{
double finalprice=0;
Scanner sc=new Scanner(System.in);
System.out.println("Please enter the number of items");
int n=sc.nextInt();
double rate[]=new double[n];
int qty[]=new int[n];
for(int i=0;i<n;i++)
{
System.out.println("Please enter the rate of item "+(i+1)+":");
rate[i]=sc.nextDouble();
System.out.println("Please enter the quantity of item "+(i+1)+":");
qty[i]=sc.nextInt();
totalprice=totalprice+(rate[i]*qty[i]);
}
if(totalprice>=10000)
{
finalprice=totalprice-(0.05*totalprice);
System.out.println("THE FINAL BILL AMOUNT IS: "+finalprice);
}
else if(totalprice>=7500 && totalprice<10000)
{
finalprice=totalprice-(0.03*totalprice);
System.out.println("THE FINAL BILL AMOUNT IS: "+finalprice);
}
else if(totalprice>=5000&&totalprice<7000)
{
finalprice=totalprice-(0.02*totalprice);
System.out.println("THE FINAL BILL AMOUNT IS: "+finalprice);
}
else
{
    finalprice=totalprice;
System.out.println("SORRY YOU ARE NOT ELIGIBLE FOR DISCOUNT");
System.out.println("THE FINAL BILL AMOUNT IS: "+finalprice);
}
}
}
```

Java source file | length : 1,185 lines : 44 | Ln : 44 Col : 2 Sel : 0 | 0 | Windows (CR LF) | UTF-8 | INS

C:\Windows\system32\cmd.exe

```
C:\Users\admin\Documents>javac SuperMarket.java

C:\Users\admin\Documents>java SuperMarket
Please enter the number of items
3
Please enter the rate of item 1:
1000
Please enter the quantity of item 1:
1
Please enter the rate of item 2:
2000
Please enter the quantity of item 2:
1
Please enter the rate of item 3:
3000
Please enter the quantity of item 3:
2
THE FINAL BILL AMOUNT IS: 8730.0

C:\Users\admin\Documents>
```

4.

C:\Users\admin\Documents\EvenOddterm.java - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

change.log | EvenOdd.java | count_pos_neg_zero.java | EvenOddterm.java | SuperMarket.java

```
import java.io.*;
import java.util.*;
public class EvenOddterm
{


public static void main(String[] args)
{
Scanner sc=new Scanner(System.in);
System.out.println("Please enter the number of terms:");
int n=sc.nextInt();
int a[]=new int[n];
int b[]=new int[n];
int c[]=new int[n];
for(int i=0;i<n;i++)
{
System.out.println("Please enter the "+" "+(i+1)+" "+" term:");
a[i]=sc.nextInt();
}
 {
int j=0;
int x=0;

int avg,temp;

int sum=0;
  for(int i=0;i<n;i++)
  {

  if(a[i]%2==0)
  {
   c[j]=a[i];
  j++;
  }
  else
  {
   b[x]=a[i];
  x++;
  }
  if(a[i]%2==0)
  {
   c[j]=a[i];
  j++;
  }
  else
  {
   b[x]=a[i];
  x++;
  }
  }
 int max=c[0];
 int min=c[0];
 for(int i=0;i<j;i++)
 {
 sum=sum+c[i];
 if(c[i]>max)
 {
     max=c[i];
 }
 else if(c[i]<min)
 {
     min=c[i];
 }
 }

  avg=sum/j;
   System.out.println("the sum is:"+sum);
  System.out.println("the average is:"+avg);
  System.out.println("the max is: "+max);
  System.out.println("the min is:"+min);
   }

}
}
```

C:\Windows\system32\cmd.exe

```
C:\Users\admin\Documents>javac SuperMarket.java

C:\Users\admin\Documents>java SuperMarket
Please enter the number of items
3
Please enter the rate of item 1:
1000
Please enter the quantity of item 1:
1
Please enter the rate of item 2:
2000
Please enter the quantity of item 2:
1
Please enter the rate of item 3:
3000
Please enter the quantity of item 3:
2
THE FINAL BILL AMOUNT IS: 8730.0

C:\Users\admin\Documents>
```