Practical

```
import java.util.*;
public class practical
{
    public static void main(String [] args)
    {
      Scanner sc= new Scanner(System.in);
      System.out.println(" Enter length of array");
      int n= sc.nextInt();
      int a[] =new int[n];
      int i, so=0, se=0;
      for( i=0;i<n;i++)
      {
        a[i] = sc.nextInt())
        if (i % 2==0)
        se = se+ a[i];
        else
         so= so+ a[i];
      }
    System.out.println(" sum of elements of
     even indies = " + se);
    System.out.println(" sum of elements of odd
     indies = " +so);

    }
}
```

Practice 2

```
import java.util.*;
public class Practice2
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter n");
        int n = sc.nextInt();
        int a[] = new int[n];
        int i, sp = sn = sz = 0;
        System.out.println("Enter array");
        for(i=0; i<n; i++)
        {
            a[i] = sc.nextInt();
            if(a[i] < 0)
            sn++;
            else if(a[i] > 0)
            sp++;
            else sz++;
        }
        System.out.println("Number of:");
                ("Positive nos = "+sp+"
                Negative nos = "+sn+"
                zeros = "+sz);
    }
}
```

Practice 3

```
import java.util.*;
public class practice3
{
    public static void main(String[] args)
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("Enter number of items");
        int x= sc.nextInt();
        int i;
        double rate= new double[x];
        int qty[]= new int[x];
        double bill = 0.0, fbill;
        for(i=0; i<x; i++)
        {
            System.out.println("Enter rate of item "
                +(i+1));
            rate[i]= sc.nextDouble();
            System.out.println("Enter quantity of
                item " + (i+1));
            qty[i]= sc.nextInt();
            bill= bill+ (rate[i]* qty[i]);
        }
        if (bill>=10000)
            fbill= 0.95 * bill;
        else if (bill>=7500 && bill<10000)
        fbill= 0.95*bill;
        else
        fbill= 0.98*bill;
        System.out.println("Total bill =" +bill);
        System.out.println("Final bill =" +fbill);
    }
}
```

Practice 4

```
{
  import java.util.*;
  public class practice4
  {
     public static void main (String [] args)
     {
       Scanner sc = new Scanner(System.in)
       System.out.println ("Enter no of items");
       int x = next Int ();
       int a[] = new int [x];
       int b[] = "  "  "
       int c[] = "  "  [ " ]
       int i, sum = 0;
       for(i=0; i<x; i++)
       {
          a[i] = next Int();
          if(a[i]%2 == 0)
          b[i] = a[i];
          else
          c[i] = a[i];
       }
       int k = 0 [illegible] c.length;
       for (i=0; i<k ; i++)
       {
          sum = sum + c[i];
          if (c[i] > big)
          big = c[i];
          else if c[i] < small;
          small = c[i];
       }
     * int small = c[0];
     * big = c[0];
```

```
double average = sum / x;
System.out.println(" Sum = " +sum+ " Avg = " +average+
                   " Max = " +big+ " Min = " +min);
}
}
```