②
```
import java.util.Scanner;
class sumarray
{
  public static void main (String args[])
  {
    int array[], n, i, even=0, odd=0;
    Scanner input = new Scanner(System.in);
    System.out.println("Enter the number of elements in array");
    n = input.nextInt();
    array = new int[n];
    System.out.println("Enter the elements of array");
    for(i=0; i<n; i++)
    {
      array[i] = input.nextInt();
    }
    for (i=0; i<n; i++)
    {
      System.out.println("Elements in "+i+ "is"+array[i]);
    }
    for (i=0; i<n; i+=2)
    {
      even = even + array[i];
    }
    system.out.println("Sum of even indices is: "+even);
```

```
for (i=1; i<n; i+=2)
{
    odd = odd + array[i];
}
System.out.println("sum of odd indices is : "+odd);
}
}
```

(3)
```
import java.util.Scanner;
class howmany
{
  public static void main(String args[])
  {
    int array[], n, i, pos=0, neg=0, zero=0;
    Scanner input = new Scanner(System.in);
    System.out.println("Enter the number of elements in an array");
    n = input.nextInt();
    array = new int[n];
    System.out.println("Enter the elements of array");
    for(i=0; i<n; i++)
    {
      array[i] = input.nextInt();
    }
    for(i=0; i<n; i++)
    {
      if(array[i]>0)
      {
        pos = pos+1;
      }
      else if(array[i]==0)
      {
        zero = zero+1;
      }
```

```
        else
        {
            neg = neg + 1;
        }
    }
    System.out.println("There is/are " + pos + " positive numbers");
    System.out.println("There is/are " + zero + " zero's");
    System.out.println("There is/are " + neg + " negative numbers");
}
}
```

④

```
import java.util.Scanner;
Class amount
{
public static void main(String args[])
{
  int i,j,k,x,r=1;
  double a[][];
   int b[][];
   double m=0,n;
  Scanner input = new Scanner(System.in);
   System.out.println("Enter the number of items");
   x = input.nextInt();
   a = new double[r][x];
   b = new int[x][r];
  System.out.println("Enter the rate of "+x+"items");
  for(i=0;i<=0;i++)
  {
   for(j=0;j<x;j++)
   {
      a[i][j] =input.nextInt();
   }
   }
   System.out.println("Enter the quantity of "+x+" items in
                       the same order");
   for(i=0;i<x;i++)
   {
      for(j=0;j<1;j++)
      { b[i][j] = input.nextInt();
   }
```

```
for (i=0 ; i<1 ; i++)
 {
    for (j=0 ; j<1 ; j++)
     {
        for (k=0 ; k<x; k++)
         {
            m+=a[i][k]*b[k][j];
         }
     }
 }
for (i=0; i<1 ; i++)
  {
    for (j=0 ; j<1 ; j++)
     {
       System.out.println ("Total amount is "+m);
     }
    if (m>=10000 )
    {
          n = m-((5*m)/100);
       System.out.println ("Final bill is : "+n);
       System.out.println( "Your discount is 5%");
    }
   else  if ( m>=7500   && m<10000)
    {
          n=m-((3*m)/100);
       System.out.println( "Final bill is : "+n);
```

```
        System.out.println ("Your discount is 2%.");
    }
    else
    {
        system.out.println ("No discount");
        system.out.println ("Total amount = Final amount = "+n
    }
}

}
```

(5)
```
import java.util.*;Scanner;
class arraydivide
{
  public static void main (String args[])
  {
    int n, i, j=0, k=0, sum=0, x, y, min=0, max=0;
    float avg;
    int a[], b[], c[];
    int even, odd;
    Scanner input = new Scanner(System.in);
    n = input.nextInt();
    a = input.nextInt
    a = new int[n];
    b = new int[n];
    c = new int[n];
    System.out.println("Enter the "+n+" elements");
  for (i=0; i<n; i++)
  {
    a[i] = input.nextInt();
  }
  for (i=0; i<n; i++)
  {
    if(a[i] % 2 ==0)
    {  b[j] = a[i];
```

```
            j = j+1;
    }
    else
     {
        c[k] = a[i];
        k=k+1;
     }
    }
    x=j;
    y=k;
    System.out.println
for (k=0; k<y; k++)
{
    sum = sum + c[k];
     min = c[0];
     max =c[0];
    if (min > c[k])
     {
        min = c[k];
     }
    if (max <c[k])
     {
        max = c[k];
     }
}
```

```
System.out.println("Sum of odd elements is: "+sum);
System.out.println("Minimum of odd elements is: "+min);
System.out.println("Maximum of odd elements is: "+max);
avg = (float) sum/y;
System.out.println("Average of odd elements is: "+avg);
}
}
```