```java
import java.util.Scanner;
class Indices {
 public static void main(String[] args) {
 Scanner sc=new Scanner(System.in);
 System.out.println("Enter the size of array =");
 int n=sc.nextInt();
 int even=0,odd=0;
 int[] arr=new int[n];
 for(int i=0;i<n;i++){
 System.out.println("Enter the value of element");
 arr[i]=sc.nextInt();
 if(i%2==0){
 even=even+arr[i];
 }
else{
 odd=odd+arr[i];
 }
 }
 System.out.println("The sum of even indices:"+even+"\nThe sum of odd indices:"+odd);
 }

}
```

```
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C:\Users\AKSHAY RASTOGI>cd desktop

C:\Users\AKSHAY RASTOGI\Desktop>cd java prog

C:\Users\AKSHAY RASTOGI\Desktop\java prog>javac Indices.java

C:\Users\AKSHAY RASTOGI\Desktop\java prog>java Indices
Enter the size of array =
6
Enter the value of element
1
Enter the value of element
2
Enter the value of element
3
Enter the value of element
4
Enter the value of element
5
Enter the value of element
6
The sum of even indices:9
The sum of odd indices:12

C:\Users\AKSHAY RASTOGI\Desktop\java prog>_
```
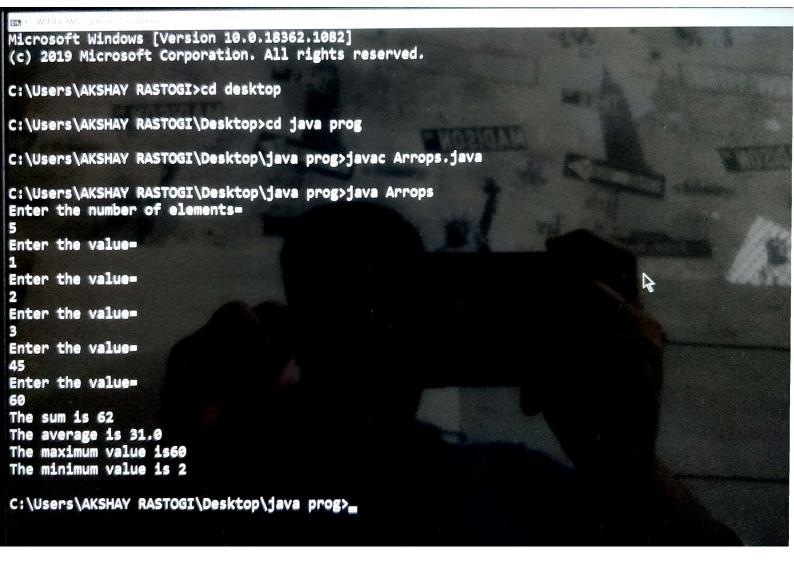
Extra Programs (Week 3)

```java
1) import java.util.Scanner;
class Indices {
public static void main (String [] args) {
Scanner sc = new Scanner (System.in);
System.out.println("Enter the size of array = ");
int n = sc.nextInt();
int even = 0, odd = 0;
int [] arr = new int [n];
for (int i =0 ; i<n ; i++)
{
System.out.println("Enter the value of element = ");
arr[i] = sc.nextInt();
if (i%2 ==0) {
    even = even + arr[i];
}}
else {
odd = odd + arr[i];
}
}
System.out.println("The sum of even indices: " + even +"\n
        The sum of odd indices : " + odd);
}
}
```

```java
import java.util.Scanner;
class POS {
 public static void main(String[] args) {
 Scanner sc=new Scanner(System.in);
 System.out.println("Enter the size of array =");
 int n=sc.nextInt();
 int count1=0,count2=0,count3=0;
 int[] arr=new int[n];
 for(int i=0;i<n;i++){
 System.out.println("Enter the value of element");
 arr[i]=sc.nextInt();
 if(arr[i]==0){
 count1++;
 }else if(arr[i]<0){
 count2++;
 }else{
 count3++;
 }

 }
 System.out.println("The number of zero digits:"+count1+"\nThe number of negative digits:"+count2+"\nThe number of positive digits:"+count3);
 }

}
```

```
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C:\Users\AKSHAY RASTOGI>cd desktop

C:\Users\AKSHAY RASTOGI\Desktop>cd java prog

C:\Users\AKSHAY RASTOGI\Desktop\java prog>javac POS.java

C:\Users\AKSHAY RASTOGI\Desktop\java prog>java POS
Enter the size of array =
6
Enter the value of element
1
Enter the value of element
0
Enter the value of element
-8
Enter the value of element
-3
Enter the value of element
11
Enter the value of element
0
The number of zero digits:2
The number of negative digits:2
The number of positive digits:2

C:\Users\AKSHAY RASTOGI\Desktop\java prog>
```

```java
2) import java.util.Scanner;
   class POS {
      public static void main (String[] args) {
      Scanner sc = new Scanner (System.in);
      System.out.println ("Enter the size of array: ");
      int n = sc.nextInt ();
      int count1=0, count2=0, count3=0;
      int [] arr = new int [n];
      for (int i=0; i<n; i++) {
      System.out.println ("Enter the value of elements");
      arr[i] = sc.nextInt ();
      if (arr[i] == 0) {
         count1 ++;
      } else if (arr[i] < 0) {
         count2 ++;
      } else {
         count3 ++;
      }
      }
      System.out.println (" The number of zero digits : "+ count1 +
         "\n The number of negative digits : "+ count2+ "\n The
         number of positive digits : " + count3);
   }
}
```

```java
import java.util.Scanner;
class Arrops {
  public static void main(String[] args) {
  Scanner sc=new Scanner(System.in);
  int i=0,j=0,k=0,temp;
  System.out.println("Enter the number of elements=");
  int n=sc.nextInt();
  int[] A=new int[n];
  int[] B=new int[n];
  int[] C=new int[n];
  for(i=0;i<n;i++){
  System.out.println("Enter the value=");
  A[i]=sc.nextInt();
  if(A[i]%2!=0){
  B[j]=A[i];
  j++;
  }else{
  C[k]=A[i];
  k++;
  }
  }
  int sum=0;
  double avg = 0;
  int max=C[0],min=C[0];
  for(temp=0;temp<k;temp++)
{
  sum=sum+C[temp];
  avg=(double)sum/k;
  if(C[temp]>max)
{
  max=C[temp];
}
if(C[temp]<min)
{
  min=C[temp];
  }
  }
  System.out.println("The sum is "+sum+"\nThe average is "+avg+"\nThe maximum value is"+max+"\nThe minimum value is "+min);
  }
}
```

```
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C:\Users\AKSHAY RASTOGI>cd desktop

C:\Users\AKSHAY RASTOGI\Desktop>cd java prog

C:\Users\AKSHAY RASTOGI\Desktop\java prog>javac Arrops.java

C:\Users\AKSHAY RASTOGI\Desktop\java prog>java Arrops
Enter the number of elements=
5
Enter the value=
1
Enter the value=
2
Enter the value=
3
Enter the value=
45
Enter the value=
60
The sum is 62
The average is 31.0
The maximum value is60
The minimum value is 2

C:\Users\AKSHAY RASTOGI\Desktop\java prog>_
```

```java
4) import java.util.Scanner;
class Arrops {
    public static void main (String [] args) {
        Scanner sc = new Scanner (System.in);
        int i = 0, j = 0, k = 0, temp;
        System.out.println ("Enter the number of elements = ");
        int n = sc.nextInt();
        int [] A = new Int (n);
        int [] B = new Int [n];
        int [] C = new Int [n];
        for (i=0; i<n; i++) {
            System.out.println (" Enter the value = ");
            A[i] = sc.nextInt();
            if (A[i] % 2 != 0) {
                B[j] = A[j];
                j++;
            } else {
                C[k] = A[i];
                k++;
            }
        }
        int sum = 0
        double avg = 0;
        int max = C[0], min = C[0];
        for (temp = 0; tem < k; temp ++)
        {
            sum = sum + C[temp];
            avg = (double) sum / k;
            if (C[temp] > max)
            {
                max = C[temp];
            }
```

```
if( C[temp] < min )
{
    min = C[temp];
}
}
System.out.println("The sum is" + sum + "\n The average is", + avg+
    "\n The maximum value is" + max + "\n The minimum value
    is" + min );
}
}
```