**ASSIGNMENT 5**

1)

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** Largestof4Numbers {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter no. of values");

**int** n =s.nextInt();

**int** arr[]= **new** **int**[n];

**int** largest=Integer.***MIN\_VALUE***;

**for**(**int** i=0;i<arr.length;i++){

**if**(arr[i]>largest){

largest=arr[i];

}

}

System.***out***.println("Largest No:"+ largest);

}

}

2)

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** Averageof10 {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter number of values:");

**int** n = s.nextInt();

**int** arr[]= **new** **int**[n];

**int** sum=0;

**float** average;

**for**(**int** i=0;i<arr.length;i++){

arr[i]=s.nextInt();

}

**for**(**int** i=0;i<arr.length;i++){

sum=sum+arr[i];

}

average = sum/n;

System.***out***.println("Average:" + average);

}

}

**3)**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** SumofMatrices {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter the number of values:");

**int** n =s.nextInt();

**int** arrA[][]= **new** **int**[n][n];

**int** arrB[][]=**new** **int**[n][n];

**int** sumArray[][]=**new** **int**[n][n];

**for**(**int** i=0;i<arrA.length;i++){

**for**(**int** j=0;j<arrA.length;j++){

arrA[i][j]=s.nextInt();

}

}

**for**(**int** i=0;i<arrB.length;i++){

**for**(**int** j=0;j<arrB.length;j++){

arrB[i][j]=s.nextInt();

}

}

**for**(**int** i=0;i<sumArray.length;i++){

**for**(**int** j=0;j<sumArray.length;j++){

sumArray[i][j]=arrA[i][j]+arrB[i][j];

}

}

**for**(**int** i=0;i<arrB.length;i++){

**for**(**int** j=0;j<arrB.length;j++){

System.***out***.print(sumArray[i][j]+"\t");

}

System.***out***.println();

}

}

}

4)

**package** basic\_PF;

**public** **class** AscendingOrderArray {

**public** **static** **void** main(String[] args) {

**int** arr[]={4,3,8,7,6,1,2,9,4};

**int** temp;

**for**(**int** j=0;j<arr.length-1;j++){

**for**(**int** i=0;i<arr.length-1;i++){

**if**(arr[i]>arr[i+1]){

temp=arr[i+1];

arr[i+1]=arr[i];

arr[i]=temp;

}

}

**for**(**int** i=0;i<arr.length;i++){

System.***out***.println(arr[i]);

}

}

}

5)

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** MergingSortedArrays {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

**int** arr1[]=**new** **int**[3];

**int** arr2[]=**new** **int**[3];

**int** resArr[]=**new** **int**[6];

System.***out***.println("Enter first sorted array");

**for**(**int** i=0;i<3;i++){

arr1[i]=s.nextInt();

}

System.***out***.println("Enter second sorted array");

**for**(**int** i=0;i<3;i++){

arr2[i]=s.nextInt();

}

**for**(**int** i=0,j=0,k=0;k<6;k++){

**if**(i<3 && j<3){

**if**(arr1[i]<=arr2[j]){

resArr[k]= arr1[i];

i++;

}**else**{

resArr[k]= arr2[j];

j++;

}

}

**else** **if**(i>=3 && j<3){

resArr[k]=arr2[j];

j++;

}

**else**{

resArr[k]=arr1[i];

i++;

}

}

**for**(**int** i=0;i<6;i++){

System.***out***.println(resArr[i]);

}

}

}

**6)**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** NumbersGreaterthanAverage {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

**int** arr[]=**new** **int**[10];

**int** sum=0;

**float** average;

System.***out***.println("Enter values in array:");

**for**(**int** i=0;i<10;i++){

arr[i]=s.nextInt();

}

**for**(**int** i=0;i<10;i++){

sum = sum + arr[i];

}

average=sum/10;

System.***out***.println("Average:"+ average);

**for**(**int** i=0;i<10;i++){

**if**(arr[i]>average){

System.***out***.println(arr[i]);

}

}

}

}

**7)**

**import** java.util.Scanner;

**public** **class** AddorSubtract {

**public** **void** add(**int** num1,**int** num2){

**int** add =num1+num2;

System.***out***.println("Sum:"+ add);

}

**public** **void** subtract(**int** num1,**int** num2){

**int** sub;

**if**(num1>num2){

sub =num1-num2;

}**else**{

sub=num2-num1;

}

System.***out***.println("Difference:"+ sub);

}

**public** **static** **void** main(String[] args) {

Scanner s= **new** Scanner(System.***in***);

System.***out***.println("Enter first number:" );

**int** num1=s.nextInt();

System.***out***.println("Enter second number: ");

**int** num2=s.nextInt();

AddorSubtract ob = **new** AddorSubtract();

ob.add(num1, num2);

ob.subtract(num1, num2);

}

}

**8)**

**package** basic\_PF;

**import** java.util.Scanner;

**public** **class** AcceptandDisplaySmallestof3 {

Scanner s = **new** Scanner(System.***in***);

**public** **void** Accept(){

System.***out***.println("Enter first num:");

**int** num1=s.nextInt();

System.***out***.println("Enter second num:");

**int** num2=s.nextInt();

System.***out***.println("Enter third num:");

**int** num3=s.nextInt();

FindSmallest(num1, num2, num3);

}

**public** **void** FindSmallest(**int** num1,**int** num2,**int** num3){

**if**(num1<num2 && num1<num3){

System.***out***.println(num1 +" is smallest.");

}**else** **if**(num2<num3){

System.***out***.println(num2 +" is smallest.");

}**else**{

System.***out***.println(num3 +" is smallest.");

}

}

**public** **static** **void** main(String[] args) {

AcceptandDisplaySmallestof3 ob=**new** AcceptandDisplaySmallestof3();

ob.Accept();

}

}