1. public class arraytask\_1

{

public static void main(String[]args)

{

int []marks=new int []{10,30,20,50,40};

int sum=0;

int max=marks[0];

int min=marks[0];

for(int i=0; i<marks.length;i++)

{

sum=sum+marks[i];

if(max<marks[i]){

max=marks[i];

}

if(min>marks[i])

{

min=marks[i];

}

}

double avg;

avg = sum/marks.length;

System.out.println("Highest mark is" + max);

System.out.println("Lowest mark is" + min);

System.out.println("Average mark is" + avg);

}

}

2. public class arraytask\_2

{

public static void main(String[]args)

{

int[] marks = new int[] {10, 30, 20, 50, 40};

int sum=0;

int avg;

int count=0;

for(int i=0;i<marks.length;i++)

{

sum=sum+marks[i];

}

avg=sum/marks.length;

for(int i=0; i<marks.length;i++)

{

if (marks[i]>avg){

count++;}

}

System.out.println(count +"Better than average");

for(int s=0;s<marks.length;s++)

{

if(marks[s]>avg){

System.out.println("They received following marks" + marks[s]);

}

}

}

}

3. public class arraytask\_3

{

public static void main(String[]args)

{

int[] a = new int[] {10, 30, 20, 50, 40};

int max=a[0];

int maxloc=0;

for(int i=1; i<a.length;i++)

{

if(max<a[i]){

max=a[i];

maxloc= i;

}

}

System.out.println("Largest mark is" + max);

System.out.println(maxloc);

}

}

4. public class arraytask\_4

{

public static void main(String[]args)

{

int[] a = new int[] {10, 30, 20, 50, 40};

int max=a[0];

int maxloc=a[0];

for(int i=0;i<a.length;i++)

{

if(a[i]>max){

max=a[i];

maxloc=i;

}

}

int x=a[0];

a[0]=a[maxloc];

a[maxloc]=x;

for(int i=0; i<a.length;i++)

{

System.out.print("," + a[i]);

}

}

}

5. public class arraytask\_5

{

public static void main(String[]args)

{

int[] a = new int[] {50, 30, 20, 10, 40};

int max =a[1];

int maxloc= a[1];

for(int i=2;i<a.length;i++)

{

if(a[i]>max){

max=a[i];

maxloc=i;

}

}

int x=a[1];

a[1]=a[maxloc];

a[maxloc]=x;

for(int i=0;i<a.length;i++)

{

System.out.print(a[i] + ",");

}

}

}

6.

import java.util.Scanner;

public class arraytask\_6

{

public static void main(String[]args)

{

System.out.println("enter the number:");

Scanner keyboard=new Scanner(System.in);

int n=keyboard.nextInt();

int[]a=new int[n];

for(int x=0;x<a.length;x++)

{

System.out.println("index num:");

a[x]=keyboard.nextInt();

int max;

int temp=0;

for(int i=0;i<a.length;i++)

{

max=i;

for(int j=i+1;j<a.length;j++)

{

if(a[j]>a[max])

{

max=j;

}

}

temp=a[i];

a[i]=a[max];

a[max]=temp;

System.out.print(a[i] + ",");

}

}

}

}

7.

public class arraytask\_7

{

public static void main(String[]args)

{

int[] a = new int[] {50, 30, 20, 10, 40};

int max;

int temp=0;

for (int i=0;i<a.length;i++)

{

max=i;

for(int j=i+1;j<a.length;j++)

{

if(a[j]>a[max]){

max=j;

}

}

temp=a[i];

a[i]=a[max];

a[max]=temp;

}

for(int i=0;i<a.length;i++)

{

System.out.print(a[i] + ",");

}

}

}

8.

import java.util.Scanner;

public class arraytask\_8

{

public static void main(String[]args)

{

System.out.println("enter the number");

Scanner keyboard=new Scanner(System.in);

int n=keyboard.nextInt();

int[]a=new int[n];

for(int x=0;x<a.length;x++)

{

System.out.println("index num:");

a[x]=keyboard.nextInt();

int max;

int temp=0;

for(int i=0;i<a.length;i++)

{

max=i;

for(int j=i+1;j<a.length;j++)

{

if(a[j]>a[max])

{

max=j;

}

}

temp=a[i];

a[i]=a[max];

a[max]=temp;

System.out.print(a[i] + ",");

}

}

if(a.length%2!=0){

System.out.println("the median is" + a[a.length/2]);

}

else{

System.out.println("the median is" + (a[a.length/2]+a[a.length/2-1])/2);

}

}

}

9.

import java.util.Scanner;

public class arraytask\_9

{

public static void main(String[]args)

{

Scanner sc=new Scanner(System.in);

int quantity=sc.nextInt();

int id[]=new int[quantity];

String full\_name[]=new String[quantity];

double mark[]=new double[quantity];

double sum=0;

double average=0.0;

for(int i=0;i<quantity;i++)

{

System.out.print("Give ID :");

id[i]=sc.nextInt();

System.out.print("Give Name :");

full\_name[i]=sc.next();

System.out.print("Give Mark :");

mark[i]=sc.nextDouble();

sum=sum+mark[i];

}

average=sum/quantity;

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

for(int j=0;j<quantity;j++){

System.out.println(full\_name[j]+" : "+id[j]);

}

}

}

10. import java.util.Scanner;

public class arraytask\_10

{

public static void main(String[]args)

{

Scanner sc=new Scanner(System.in);

int quantity=sc.nextInt();

int num[]=new int[quantity];

for(int i=0;i<quantity;i++)

{

num[i]=sc.nextInt();

int c=0;

for(int j=0;j<i;j++)

{

if(!(num[i]>num[j])){

c=1;

}

}

if(c==0){

System.out.println("Yes");

}

else{

System.out.println("No");

}

}

}

}

11.

public class arraytask\_11

{

public static void main (String[] args)

{

int Employee\_a = new Employee();

int a\_name = "Mohammad Java Choudhury";

int a\_salary = 10000;

int a\_increaseSalary(20);

System.out.println(a.salary);

}

}

class employee

{

string name="";

int salary;

public void increasesalary(int percent)

{

salary=salary+((salary\*percent)/100);

}

}