1.

public class Example

{

public static void main(String[] args)

{

int n=25, max;

Scanner s = new Scanner(System.in);

int a[] = new int[n];

System.out.println("Enter the elements of array:");

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

{

a[i] = s.nextInt();

}

max = a[0];

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

{

if(max < a[i])

{

max = a[i];

}

}

System.out.println("Maximum value in the array is:"+max);

}

}

2.

public class Example

{

public static void main(String[] args)

{

int n=25,c=0, max;

Scanner s = new Scanner(System.in);

int a[] = new int[n];

System.out.println("Enter the elements of array:");

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

{

a[i] = s.nextInt();

}

max = a[0];

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

{

if(max < a[i])

{

max = a[i];

}

}

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

{

if(max == a[i])

{

C=c+1;

}

}

System.out.println(c);

}

3.

package activity;

import java.util.\*;

public class pyramid {

public static void main(String args[]){

Scanner sc = new Scanner(System.in);

System.out.print("Enter the level of pyramid : ");

int n=sc.nextInt();

int p=1,s=n-1,num=1;

while(p<=n){

for(int i=1;i<=s;i++)

System.out.print(" ");

for(int i=1;i<=p;i++){

if(num>9){

num=num%9-1;

}

System.out.print(num);num++;

}

int rev=num-2;

for(int i=1;i<p;i++){

if(rev<0){

rev=9;

}

System.out.print(rev);rev--;

}

p++;System.out.print("\n");s--;

}

}

}

4.

public class ex4 {

public static void main(String args[]){

int i,fact=1;

int number=5;//It is the number to calculate factorial

for(i=1;i<=number;i++){

fact=fact\*i;

}

System.out.println("Factorial of "+number+" is: "+fact);

}

}

5.

import java.util.Scanner;

public class ex5 {

public static void main(String[] args) {

Scanner in = new Scanner(System.in);

System.out.print("Input first number: ");

int num1 = in.nextInt();

System.out.print("Input second number: ");

int num2 = in.nextInt();

System.out.print("Input third number: ");

int num3 = in.nextInt();

System.out.print("Input fourth number: ");

int num4 = in.nextInt();

System.out.print("Enter fifth number: ");

int num5 = in.nextInt();

System.out.print("Enter sixth number: ");

int num6 = in.nextInt();

System.out.print("Enter seven number: ");

int num7 = in.nextInt();

System.out.print("Enter eight number: ");

int num8 = in.nextInt();

System.out.print("Enter ninth number: ");

int num9 = in.nextInt();

System.out.print("Enter tenth number: ");

int num10 = in.nextInt();

System.out.println("Average of ten5 numbers is: " +

(num1 + num2 + num3 + num4 + num5 + num6 + num7 + num8 + num9 + num10) / 10);

}

}

6.

import java.util.\*;

public class ex6 {

static String removeDuplicate(char str[], int n)

{

// Used as index in the modified string

int index = 0;

// Traverse through all characters

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

{

// Check if str[i] is present before it

int j;

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

{

if (str[i] == str[j])

{

break;

}

}

// If not present, then add it to

// result.

if (j == i)

{

str[index++] = str[i];

}

}

return String.valueOf(Arrays.copyOf(str, index));

}

// Driver code

public static void main(String[] args)

{

char str[] = "malayalam".toCharArray();

int n = str.length;

System.out.println(removeDuplicate(str, n));

}

}

7.

package wipro;

import java.util.\*;

public class as7 {

public static void main(String args[])

{

Scanner sc=new Scanner(System.in);

int x=sc.nextInt();

int y=sc.nextInt();

x=x\*1000;

float ans=(float)x/(float)3600;

System.out.println(ans\*y);

}

}

8.

package wipro;

import java.util.\*;

public class as8 {

public static void main(String[] args)

{

Scanner sc=new Scanner(System.in);

int x=sc.nextInt();

int y=sc.nextInt();

float ans=(float)x/(float)y;

float result=ans\*(float)18/(float)5;

System.out.println((int)result+5);

}

}

10.least perfect square divisible by 21 36 66

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int number;

for(int i=21;i<=(int)Math.pow(2,21);i++)

{

int square\_root=(int)Math.sqrt(i);

if((square\_root\*square\_root == i)&&(i%21==0 && i%36==0 && i%66==0))

{

System.out.println(i);

break;

}

}

|  |
| --- |
| Output :  **213444**. |

}

}

11.Ravi and Kumar are working on as assignment. Ravi takes 6 hours to type 32 pages on a computer, while Kumar takes 5 hours to type 40 pages. How much time will they take, working together on two difference computers to type an assignment of 110 pages?

import java.util.\*;

public class Main

{

public static void main(String[] args) {

int rh=6;

int rw=32;

int kh=5;

int kw=40;

float onehour\_work=(rw/rh)+(kw/kh);

float work=110/(onehour\_work);

System.out.print("Time taken by both to complete 110 pages : "+work+"hrs");

}

}

|  |
| --- |
| Output  Time taken by both to complete 110 pages : 8.5hrs |

12.Check prime nor not

import java.util.\*;

public class Main

{

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

int number=sc.nextInt();

int flag=0;

for(int i=1;i<=number;i++)

{

if(number%i==0)

{

flag+=1;

}

}

if(flag==2)

{

System.out.print("The given number is prime number");

}

else{

System.out.print("The given number is not prime number");

}

}

}

|  |
| --- |
| Output:  13  The given number is prime number |

9.

package wipro;

import java.util.\*;

public class as9 {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc=new Scanner(System.in);

int x=sc.nextInt();

int valid=x\*80/100;

int result=valid\*45/100;

System.out.println(result);

}

13.

package wipro;

import java.util.\*;

public class area {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc=new Scanner(System.in);

int l,b,d=23;

int p=206;

int s=p/2;

l=(s+d)/2;

b=l-d;

int area=l\*b;

System.out.println(area);

}

}

}

14.

package wipro;

import java.util.Scanner;

public class greatest {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc = new Scanner(System.in);

int number1 = sc.nextInt();

int number2 = sc.nextInt();

int number3 = sc.nextInt();

int gcdNumbers = greatest.findGCD(number1, number2, number3);

System.out.println(gcdNumbers);

sc.close();

}

public static int findGCD(int x, int y)

{

if(y == 0)

{

return x;

}

else

{

return findGCD(y, x % y);

}

}

public static int findGCD(int x, int y, int z)

{

return findGCD(findGCD(x, y), z);

}

}

15.

package wipro;

import java.util.\*;

public class difference {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner sc=new Scanner(System.in);

int n;

int d=36;

n=d/9;

System.out.println(n);

}

}