1)

public class Main

{

public static void main(String[] aaaa)

{

System.out.println("Hello World");

}

}

2)

import java.util.\*;

public class Main

{

public static void main(String[] aaaa)

{

Scanner sc= new Scanner(System.in);

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

int a=sc.nextInt();

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

int b=sc.nextInt();

int c=a+b;

System.out.println("Sum of a and b is " +c);

}

}

3)

import java.util.\*;

public class Main

{

public static void main(String[] aaaa)

{

Scanner sc= new Scanner(System.in);

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

int a=sc.nextInt();

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

int b=sc.nextInt();

int c=a-b;

System.out.println("Differrence of a and b is " +c);

}

}

4)

import java.util.\*;

public class Main

{

public static void main(String[] aaaa)

{

Scanner sc= new Scanner(System.in);

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

int a=sc.nextInt();

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

int b=sc.nextInt();

int c=a\*b;

System.out.println("product of a and b is " +c);

}

}

5)

import java.util.\*;

public class Main

{

public static void main(String[] aaaa)

{

Scanner sc= new Scanner(System.in);

double a,b,c,root1,root2;

System.out.println("Enter coefficient a,b,c of quadratic ");

a=sc.nextDouble();

b=sc.nextDouble();

c=sc.nextDouble();

double determinant=b\*b-4\*a\*c;

if(determinant>=0)

{

root1=(-b+Math.sqrt(determinant))/(2\*a);

root2=(-b-Math.sqrt(determinant))/(2\*a);

System.out.println("root1 = "+root1+" and root2 = "+ root2);

}

else

{

double real=-b/(2\*a);

double imaginary = Math.sqrt(-determinant) / (2 \* a);

System.out.println("root1 = "+real+"+"+imaginary+"i");

System.out.println("root1 = "+real+"-"+imaginary+"i");

}

}

}