1.Java try-catch

import java.util.\*;

public class Main {

public static void main(String[] args) {

int a, b, c;

Scanner sc = new Scanner(System.in);

System.out.println("Enter two numbers:");

a = sc.nextInt();

b = sc.nextInt();

try {

c = a / b;

System.out.println("Division result: " + c);

} catch (ArithmeticException e) {

System.out.println("Error: " + e.getMessage());

}

c = a + b;

System.out.println("Addition result: " + c);

c = a - b;

System.out.println("Subtraction result: " + c);

}

}

O/P:

Enter two numbers:

123

5

Division result: 24

Addition result: 128

Subtraction result: 118

2.TryCatchExample9

import java.util.\*;

public class TryCatch {

public static void main(String[] args) {

try {

int arr[]={1,3,5,7};

System.out.println(arr[10]);

}

catch(ArrayIndexOutOfBoundsException e)

{

System.out.println(e);

}

System.out.println("rest of the code");

}

}

4

rest of the code

=== Code Execution Successful ===

## **3.Java Multi-catch block**

import java.util.\*;

public class MultipleCatchBlock1 {

public static void main(String[] args) {

try {

int a[]=new int[5];

a[5]=30/0;

}

catch(ArithmeticException e)

{

System.out.println("Arithmetic Exception occurs");

}

catch(ArrayIndexOutOfBoundsException e1)

{

System.out.println("ArrayIndexOutOfBoundsException occurs");

}

catch(Exception e2)

{

System.out.println("parent Exception Occurs");

}

System.out.println("rest of the code");

}

}

)

o/p

Arithmetic Exception occurs

rest of the code

4. **MultipleCatchBlock4.java**

import java.util.\*;

public class MultipleCatchBlock4 {

public static void main(String[] args) {

try {

String s=null;

System.out.println(s.length());

}

catch(ArithmeticException e)

{

System.out.println("Arithmetic Exception occurs");

}

catch(ArrayIndexOutOfBoundsException e1)

{

System.out.println("ArrayIndexOutOfBoundsException occurs");

}

catch(Exception e)

{

System.out.println("parent Exception Occurs");

}

System.out.println("rest of the code");

}

}

)

o/p

parent Exception Occurs

rest of the code