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DEPARTMENT - CSE

SECTION – 3'A'

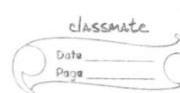
SUBJECT – OOJ

ACADEMIC YEAR -- 2020-21

Lab Program – 1

Develop a Java program that prints all the real solutions to the quadratic equation $ax^2+bx+c=0$.

Read in a, b, c and use the quadratic formula. If the discriminant b^2-4ac is negative, display a Message stating that there are no real solutions.



```
import java.util.Scanner;
class quad
{
    public static void main (String args[])
    {
        System.out.println("Enter the coefficients
                           a, b & c of quadratic equation
                            $ax^2+bx+c=0$  and where a is not
                           0");
        Scanner sc = new Scanner (System.in);
        double a = sc.nextInt();
        if (a==0)
        {
            System.out.println("a can't be zero");
        }
        else
        {
            double b = sc.nextInt();
            double c = sc.nextInt();
            double z = b*b - 4*a*c;
            Equation eq = new Equation();
            if (z<0)
            {
                System.out.println ("There are
                                   no real solutions");
            }
            else if (z==0)
            {
                System.out.println ("The solution
                                   are real and equal");
            }
        }
    }
}
```

```
eq. check(a, b, c);  
eq. display();
```

{

```
else  
{
```

```
System.out.println("The solutions are  
real and distinct");
```

```
eq. check(a, b, c);
```

```
eq. display();
```

}

}

```
}
```

```
class Equation
```

```
{
```

```
double a;
```

```
double b;
```

```
double c;
```

```
double r1;
```

```
double r2;
```

```
void check(double a, double b, double c)
```

{

```
this.a = a;
```

```
this.b = b;
```

```
this.c = c;
```

```
double z = Math.pow(b*b - 4*a*c, 0.5);
```

```
r1 = (-b - z) / (2 * a);
```

```
r2 = (-b + z) / (2 * a);
```

{

```
void display()
```

```
{  
    System.out.println(r1);  
    System.out.println(r2);  
}
```

```
Command Prompt
Microsoft Windows [Version 10.0.18362.1016]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\arpit>cd desktop

C:\Users\arpit\Desktop>javac quad.java

C:\Users\arpit\Desktop>java quad
Enter the cofficients a & b & c of quadratic equation ax2+bx+c=0 and where a is not 0
1 -2 1
The solutions are real and equal
1.0
1.0

C:\Users\arpit\Desktop>java quad
Enter the cofficients a & b & c of quadratic equation ax2+bx+c=0 and where a is not 0
4 4 1
The solutions are real and equal
-0.5
-0.5

C:\Users\arpit\Desktop>java quad
Enter the cofficients a & b & c of quadratic equation ax2+bx+c=0 and where a is not 0
1 1 1
There are no real solutions

C:\Users\arpit\Desktop>
```

Lab Program - 2

Develop a Java program to create a class Student with members usn, name, an array

Credits and an array marks. Include methods to accept and display details and a method to

Calculate SGPA of a student.

classmate
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Page _____

Lab Program - 2

```
import java.util.  
class Student  
{  
    private String USN;  
    private String name;  
    private int n;  
    private double SGPA = 0;  
    private int totalCredits = 0;  
    Scanner ss = new Scanner(System.in);  
    void Details()  
    {  
        System.out.println("Enter USN of the Student");  
        USN = ss.nextLine();  
        System.out.println("Enter Name of the Student");  
        name = ss.nextLine();  
        System.out.println("Enter number of subjects");  
        n = ss.nextInt();  
        int credits[] = new int[n];  
        double marks[] = new double[n];  
        System.out.println("Enter details of the  
        subjects");  
        for (int i=0; i<n; i++)  
        {  
            System.out.println("Enter credits allotted  
            to the subject " + (i+1));  
            credits[i] = ss.nextInt();  
            System.out.println("Enter marks in the  
            subject " + (i+1));  
            marks[i] = ss.nextInt();  
        }  
    }  
}
```

```

Calculate(credits[i], mark[i], i);
}

void Calculate(int credit, double mark, int j)
{
    totalCredits = totalCredits + credit;
    if (mark >= 90 && mark <= 100)
        SGPA = SGPA + (10 * credit);
    else if (mark >= 80 && mark <= 89)
        SGPA = SGPA + (9 * credit);
    else if (mark >= 70 && mark <= 79)
        SGPA = SGPA + (8 * credit);
    else if (mark >= 60 && mark <= 59)
        SGPA = SGPA + (7 * credit);
    else if (mark >= 50 && mark <= 49)
        SGPA = SGPA + (6 * credit);
    else if (mark >= 40 && mark <= 39)
        SGPA = SGPA + (5 * credit);
    else
        System.out.println("Failed in subject " +
                           (j+1));
}

void Display()
{
    System.out.println("Details of the Student");
    System.out.println("Name : " + name);
    System.out.println("USN : " + USN);
    System.out.println("SGPA of Student " +
                       +(SGPA / totalCredits));
}

```

```
class Main  
{
```

```
    public static void main(String args[])
```

```
    {  
        Student s1 = new Student();
```

```
        s1.Details();
```

```
        s1.Display();
```

```
}
```

```
Command Prompt
C:\>cd java lab
C:\java lab>javac sgpa.java
C:\java lab>java Main
Enter USN of the student
1234
Enter Name of the student
aaa
Enter number of subjects
3
Enter details of the subjects:
Enter credits allotted to the subject 1
5
Enter marks in the subject 1
67
Enter credits allotted to the subject 2
5
Enter marks in the subject 2
45
Enter credits allotted to the subject 3
5
Enter marks in the subject 3
89
Details of the Student
Name :aaa
USN: 1234
SGPA of student 7.0
C:\java lab>
```

Lab Program – 3

Create a class Book which contains four members: name, author, price, num_pages. Include a constructor to set the values for the members. Include methods to set and get the details of the objects. Include a `toString()` method that could display the complete details of the book. Develop a Java program to create n book objects.

Info about `toString()` method:

Class Test

```
{  
    Int a=10;  
  
    Public String toString() // when an object is printed this method is automatically called  
    { return("a="+a); } //return statement with String is required  
}
```

Class TestMain

```
{  
  
    Public static void main (String ss[])  
    {  
        Test t1=new Test ();  
        System.out.println (t1);  
  
        //t1 – First example where an object is printed directly  
        //calls toString method with the object given as the invoking object  
    }  
}
```

Lab Program - 3

```
import java.util.Scanner;
class book {
    String author;
    String name;
    int num_pages;
    double price;
    Scanner sc = new Scanner(System.in);

    void getDetails() {
        System.out.println("Enter the name author :");
        author = sc.next();
        System.out.println("Enter the title of book :");
        name = sc.next();
        System.out.println("Enter the number of pages :");
        num_pages = sc.nextInt();
        System.out.println("Cost of book :");
        price = sc.nextDouble();
    }
}
```

```
public String toString() {
    return ("Author : " + author + "\nBook title : "
        + name + "\nPages : " + num_pages +
        "\nPrice : " + price);
}
```

```
book() {
    author = "Anne Frank";
    name = "The Diary of a Young Girl";
```

```
    num-pages = 168;  
    price = 199.00;  
}
```

```
void display() {  
    System.out.println("Author : " + author);  
    System.out.println("Book title : " + name);  
    System.out.println("Number of pages : "  
        + num-pages);  
    System.out.println("Price : " + price);  
}
```

```
class bookMain {  
    public static void main (String ss[]) {  
        Scanner sc = new Scanner (System.in);  
        int n;  
        book s1 = new book();  
        s1.display();  
        System.out.println ("\nEnter the number  
        of books : ");  
        n = sc.nextInt();  
        book b[] = new book[n];  
        for (int i=0; i<n; i++) {  
            System.out.println ("\nEnter details  
            of book : " +(i+1));  
            b[i] = new book();  
            b[i].getDetails();  
        }  
    }  
}
```

System.out.println ("In All the book we have -- ");

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

```
    System.out.println ("In Book: " + (i+1));
```

```
    System.out.println (b[i]);
```

{

}

```
Command Prompt
Enter the number of pages :
500
Cost of book :
199

Enter details of book : 2
Enter the name of author :
pqr
Enter the title of book :
xyz
Enter the number of pages :
1000
Cost of book :
299

All the books we have--

Book : 1
Author : abc
Book title : def
Pages : 500
Price : 199.0

Book : 2
Author : pqr
Book title : xyz
Pages : 1000
Price : 299.0

C:\java lab>
```

Lab Program – 4

Develop a Java program to create an abstract class named Shape that contains two integers and An empty method named printArea(). Provide three classes named Rectangle, Triangle and Circle such that each one of the classes extends the class Shape. Each one of the classes contain Only the method printArea() that prints the area of the given shape.

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Week 8 (Lab Programs)

```
class abstract class Shape {
    int a=3, b=4;
    abstract public void print-area();
}

class rectangle extends Shape {
    public int area-rect;
    @Override
    public void print-area()
    {
        area-rect = a * b;
        System.out.println("The area of rectangle is: "
                           +area-rect);
    }
}

class triangle extends Shape {
    int area-tri;
    @Override
    public void print-area()
    {
        area-tri = (int) (0.5 * a * b);
        System.out.println("The area of triangle is: "
                           +area-tri);
    }
}

class circle extends Shape {
    int area-circle;
    @Override
}
```

```
public void print-area() {  
    area-circle = (int) (3.14 * a * a);  
    System.out.println("The area of circle is: "  
        + area-circle);
```

```
]  
}
```

```
class abs {
```

```
    public static void main(String[] args) {  
        rectangle rec = new rectangle();  
        rec.print-area();  
        triangle tri = new triangle();  
        tri.print-area();  
        circle cir = new circle();  
        cir.print-area();
```

```
]  
}
```

```
Command Prompt
C:\Users\arpit>cd..
C:\Users>cd..
C:\>cd java lab
C:\java lab>javac shape_area.java
C:\java lab>java abs
Inside the rectangle
Enter the value of a:
1
Enter the value of b:
1
The area of rectangle is: 1
Inside the triangle
Enter the value of a:
11
Enter the value of b:
11
The area of triangle is: 60
Inside the circle
Enter the value of a:
111
The area of circle is: 38687
C:\java lab>
```

Lab Program - 5

Develop a Java program to create a class Bank that maintains two kinds of account for its Customers, one called savings account and the other current account. The savings account Provides compound interest and withdrawal facilities but no cheque book facility. The current Account provides cheque book facility but no interest. Current account holders should also Maintain a minimum balance and if the balance falls below this level, a service charge is Imposed. Create a class Account that stores customer name, account number and type of Account. From this derive the classes Curr-acct and Sav-acct to make them more specific to Their requirements. Include the necessary methods in order to achieve the following tasks:

- Accept deposit from customer and update the balance.
- Display the balance.
- Compute and Deposit interest
- Permit withdrawal and update the balance
- Check for the minimum balance, Impose penalty if necessary and update the balance

```
5> import java.util.Scanner;
class account {
    private String name;
    private long account_number;
    private int account_type;
    double balance;
    void get_data() {
        Scanner ss = new Scanner(System.in);
        System.out.println("Enter your Name");
        name = ss.next();
        System.out.println("Enter the account number");
        account_number = ss.nextLong();
        System.out.println("Choose the account type:
            \n1. Savings account \n2. Current
            account");
        account_type = ss.nextInt();
    }
    int return_account_type() {
        return account_type;
    }
}
class savings extends account {
    Scanner ss = new Scanner(System.in);
    double amount;
    void get_sav_balance() {
        System.out.println("Enter the amount to
            be placed in your Savings Account");
        amount = ss.nextDouble();
        balance += amount;
    }
}
```

```
void display-sav-balance() {
    System.out.println("Balance = " + balance)
}

void compute-sav-interest() {
    System.out.println("In Calculating Compound
                        Interest");
    System.out.println("Enter annual
                        interest rate: ");
    float rate = ss.nextFloat();
    System.out.println("Enter time in years:");
    float time = ss.nextFloat();
    System.out.println("Enter principle:");
    float principle = ss.nextFloat();
    float CI = (float) ((principle * (Math.pow
        ((1 + rate / 100), time))) - principle);
    System.out.println("The Compound
                        Interest is: " + CI);
}

void withdraw-sav() {
    System.out.println("Enter the amount to
                        be withdrawn:");
    amount = ss.nextDouble();
    balance = balance - amount;
}

class current extends account {
    Scanner ss = new Scanner(System.in);
    double amount;
    final double min-balance = 500;
```

```
void get-cur-balance() {
    System.out.println("Enter the amount to be
        placed in your current account");
    amount = ss.nextDouble();
    balance += amount;
}

void display-cur-blnce() {
    System.out.println("Balance = "+balance);
}

void compute-cur-service-charges() {
    if (balance < min-balance) {
        System.out.println("Service tax of Rs.
            100 shall be levied");
        balance = balance - 100;
    } else {
        System.out.println("Minimum balance is
            maintained");
    }
}

void withdraw-cur() {
    System.out.println("Enter the amount to be
        withdrawn");
    amount = ss.nextDouble();
    balance = balance - amount;
}

class bank-main {
    public static void main (String args[]) {
        Scanner ss = new Scanner (System.in);
        int type;
```

```
System.out.println("Enter the bank details");
account acc = new account();
acc.get_data();
type = acc.return acc
type = acc.return_account_type();
if (type == 1) {
    System.out.println("SAVINGS ACCOUNT");
    savings sav = new savings();
    sav.get_sav_balance();
    sav.display_sav_blnce();
    System.out.println("Do you want to calculate
Interest or not: \n If yes
press 1 else 0");
    int ch = ss.nextInt();
    if (ch == 1) {
        sav.compute_sav_interest();
    }
    sav.display_sav_blnce();
    sav.withdraw_sav();
    sav.display_sav_blnce();
}
if (type == 2) {
    System.out.println("CURRENT ACCOUNT");
    current cur = new current();
    cur.get_cur_balance();
    cur.display_cur_blnce();
    cur.compute_cur_service_charges();
    cur.display_cur_blnce();
    cur.withdraw_cur();
    cur.display_cur_blnce();
}
```

```
Command Prompt
C:\Users\arpit>cd..
C:\Users>cd..
C:\>cd java lab
C:\java lab>javac bank.java
C:\java lab>java bank.main
Enter the bank details
Enter your Name
abc
Enter the account Number
123
Choose the account type:
1.savings account
2.current account
2
CURRENT ACCOUNT
Enter the amount to be placed in your current account
1000
Balance = 1000.0
Minimum balance is Maintained
Balance = 1000.0
Enter the amount to be withdrawn
976
Balance = 24.0
C:\java lab>
```

Lab Program – 6

Create a package CIE which has two classes- Student and Internals. The class Personal has members like usn, name, sem. The class Internals has an array that stores the internal marks scored in five courses of the current semester of the student. Create another package SEE which has the class External which is a derived class of Student. This class has an array that stores the SEE marks scored in five courses of the current semester of the student. Import the two packages in a file that declares the final marks of n students in all five courses.

WEEK-9 (LAB PROGRAMS - 6)

Student

```
package CIE;  
import java.util.Scanner;  
public class Student {  
    public String name;  
    public String usn;  
    public int sem;  
    public void display() {  
        Scanner s = new Scanner(System.in);  
        System.out.println("Name:");  
        name = s.nextLine();  
        System.out.println("USN:");  
        usn = s.nextLine();  
        System.out.println("Semester:");  
        sem = s.nextInt();  
    }  
}
```

Internals

```
package CIE;  
import java.util.Scanner;  
public class Internals extends Student {  
    public double ciem[];  
    public void display() {  
        ciem = new double[5];  
        Scanner t = new Scanner(System.in);  
    }  
}
```

```
System.out.println ("CIE marks for 5 subjects (out  
of 50): ");  
for (int i=0; i<5; i++)  
ciem[i]=t.nextDouble();  
}  
}
```

Externals

```
package SEE;  
import java.util.*;  
import CIE.*;  
public class Externals extends CIE.Student {  
public double seem[];  
public void display () {  
seem = new double[5];  
Scanner s=new Scanner (System.in);  
System.out.println ("SEE marks for 5 subjects  
(out of 100): ");  
for (int i=0; i<5; i++)  
seem[i]=s.nextDouble();  
}  
}
```

Main

```
import CIE.*;
import SEE.*;
import java.util.Scanner;
public class Main {
    public static void main (String args[]) {
        int n;
        Scanner s = new Scanner (System.in);
        System.out.println ("Enter the number of
                           students: ");
        n = s.nextInt();
        CIE.Student st[] = new CIE.Student [n];
        CIE.Internals in[] = new CIE.Internals [n];
        SEE.Externals e[] = new SEE.Externals [n];
        for (int i=0; i<n; i++) {
            st[i] = new CIE.Student ();
            in[i] = new CIE.Student (), CIE.Internals ();
            e[i] = new SEE.Student (), SEE.Externals ();
            st[i].display ();
            in[i].display ();
            e[i].display ();
            System.out.println ("Total marks of student:
                               " + st[i].name + " in 5 subjects are:");
            for (int j=0; j<5; j++) {
                System.out.println (in[i].ciem[j] +
                                   (e[i].seem[j]/2));
            }
        }
    }
}
```

```
Command Prompt
Microsoft Windows [Version 10.0.18362.1016]
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C:\Users\arpit>cd..
C:\Users>cd.

C:\>cd java lab\packages

C:\java lab\packages>javac Main.java

C:\java lab\packages>java Main
Enter the number of students:
2
Name:
aaa
USN:
1234
Semester:
3
CIE Marks for 5 subjects(out of 50):
34
34
32
45
43
SEE Marks for 5 subjects(out of 100):
67
63
67
67
75
Total marks of student: aaa in 5 subjects are:
77.5
55.5
55.5
78.5
55.5
Name:
bbb
USN:
1678
Semester:
3
CIE Marks for 5 subjects(out of 50):
45
50
46
47
42
SEE Marks for 5 subjects(out of 100):
98
87
89
88
93
Total marks of student: bbb in 5 subjects are:
94.0
93.5
90.5
92.0
94.5
```

Lab Program – 7

Write a program to demonstrate generics with multiple object parameters.

Data Page

WEEK-10 (LAB PROGRAM -7)

```
7. class myGen<a,b> {
    a obj1;
    b obj2;
    myGen (a obj1, b obj2) {
        this.obj1 = obj1;
        this.obj2 = obj2;
    }
    void Display () {
        System.out.println (obj1);
        System.out.println (obj2);
    }
}
public class Genericsmain {
    public static void main (String args[]) {
        myGen<String, Integer> myG1 = new myGen<String, Integer> ("Mike", 56);
        myGen<Character, Double> myG2 = new myGen<Character, Double> ("Q", 34.8489);
        myG1.Display ();
        myG2.Display ();
    }
}
```

```
cmd | Command Prompt
Microsoft Windows [Version 10.0.18362.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\arpit>cd..
C:\Users>cd..
C:\>cd java lab
C:\java lab>javac Genericsmain.java
C:\java lab>java Genericsmain
Mike
56
Q
34.8489
C:\java lab>
```

Lab Program – 8

Write a program that demonstrates handling of exceptions in inheritance tree. Create a base class called "Father" and derived class called "Son" which extends the base class. In Father class, implement a constructor which takes the age and throws the exception Wrong Age() when the input age=father's age.

WEEK-10 (Lab Program-8)

```
8. import java.util.Scanner;
class WrongAge extends Exception {
    public WrongAge(String s) {
        super(s);
    }
}

class Father {
    int fatherAge;
    int sonAge;
    Father(int fAge, int sAge) throws WrongAge {
        if (fAge == sAge) {
            throw new WrongAge("Father's age is equal
                to son's age");
        } else {
            this.fatherAge = fAge;
            this.sonAge = sAge;
        }
    }
}

class Son extends Father {
    Son(int fAge, int sAge) throws WrongAge {
        super(fAge, sAge);
        if (sAge >= fAge) {
            throw new WrongAge("Son's age is equal
                to or greater than father's Age");
        }
    }
}

void Display() {
    System.out.println("Father's age: " + fatherAge);
```

```
System.out.println("Son's Age: "+sonAge);  
}  
public class exp {  
    public static void main(String[] args) {  
        int fAge, sAge;  
        Scanner sc = new Scanner(System.in);  
        System.out.println("Enter father's age: ");  
        fAge = sc.nextInt();  
        System.out.println("Enter son's age: ");  
        sAge = sc.nextInt();  
        try {  
            Son son = new Son(fAge, sAge);  
            son.Display();  
        } catch (WrongAge err) {  
            System.out.println("Exception " + err);  
        }  
    }  
}
```

```
cmd Command Prompt
Microsoft Windows [Version 10.0.18362.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\arpit>cd..

C:\Users>cd..

C:\>cd java lab

C:\java lab>javac exp.java

C:\java lab>java exp
Enter father's age:
78
Enter sons's age:
34
Father's age: 78
Son's age: 34

C:\java lab>
```

Lab Program – 9

Write a program which creates two threads, one thread displaying “BMS College of Engineering” once every ten seconds and another displaying “CSE” once every two seconds.

WEEK-11 (LAB PROGRAM-9)

```

class Thread1 implements Runnable {
    String name;
    Thread t;
    int time;
    Thread1 (String threadname, int time) {
        name = threadname;
        this.time = time;
        t = new Thread(this, name);
        t.start();
    }
    public void run() {
        try {
            for (int i = 5; i > 0; i--) {
                System.out.println(name);
                Thread.sleep(time);
            }
        } catch (InterruptedException e) {
            System.out.println(name + " Interrupted");
        }
    }
}
class ThreadDemo {
    public static void main (String args[]) {
        Thread1 t1 = new Thread1 ("CSE", 2000);
        Thread1 t2 = new Thread1 ("BMS College Of
Engineering", 10000);
    }
}

```

```
Command Prompt
Microsoft Windows [Version 10.0.18362.1082]
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C:\Users\arpit>cd..

C:\Users>cd..

C:\>cd java lab

C:\java lab>javac ThreadDemo.java

C:\java lab>java ThreadDemo
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C:\java lab>
```

Lab Program – 10

Write a program that creates a user interface to perform integer divisions. The user enters two Numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 is displayed in the Result field when the Divide button is clicked. If Num1 or Num2 were not an integer, the program Would throw a NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

IBMS19CS026
ARPIIT SUMAN

WEEK - 13

```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
public class integerdivision extends Frame implements ActionListener {
    TextField n1, n2, res;
    Label l1, l2, lres;
    Button b;
    public integerdivision() {
        setLayout(new FlowLayout());
        Label l1=new Label("NUMBER 1",Label.RIGHT);
        Label l2=new Label("NUMBER 2",Label.RIGHT);
        Label lres=new Label("RESULT",Label.RIGHT);
        n1=new TextField(12);
        n2=new TextField(8);
        res=new TextField(10);
        b=new Button("DIVIDE");
        add(l1);
        add(n1);
        add(l2);
        add(n2);
        add(b);
        add(lres);
        add(res);
        b.addActionListener(this);
        addWindowListener(new WindowAdapter());
    }
    public void actionPerformed(ActionEvent ae) {
        if (ae.getSource() == b) {
            try {
                int num1 = Integer.parseInt(n1.getText());
                int num2 = Integer.parseInt(n2.getText());
                int result = num1 / num2;
                res.setText(result + "");
            } catch (NumberFormatException e) {
                JOptionPane.showMessageDialog(null, "Please enter valid integers");
            } catch (ArithmaticException e) {
                JOptionPane.showMessageDialog(null, "Division by zero is not allowed");
            }
        }
    }
}
```

```
int num1=Integer.parseInt(n1.getText());
int num2=Integer.parseInt(n2.getText());
int num3=num1/num2;
res.setText(String.valueOf(num3));
} catch (NumberFormatException ne) {
    JOptionPane.showMessageDialog(this, ne, "ERROR",
        JOptionPane.ERROR_MESSAGE);
} catch (ArithmeticException a) {
    JOptionPane.showMessageDialog(this, a, "ERROR",
        JOptionPane.ERROR_MESSAGE);
}
}

public static void main(String args[]) {
    IntegerDivision i=new IntegerDivision();
    i.setSize(new Dimension(400, 400));
    i.setTitle("INTEGER DIVISION OF TWO NUMBERS");
    i.setVisible(true);
}

class WindowAdapter1 extends WindowAdapter {
    public void windowClosing(WindowEvent we) {
        System.exit(0);
    }
}
```

 INTEGER DIVISION OF T... -

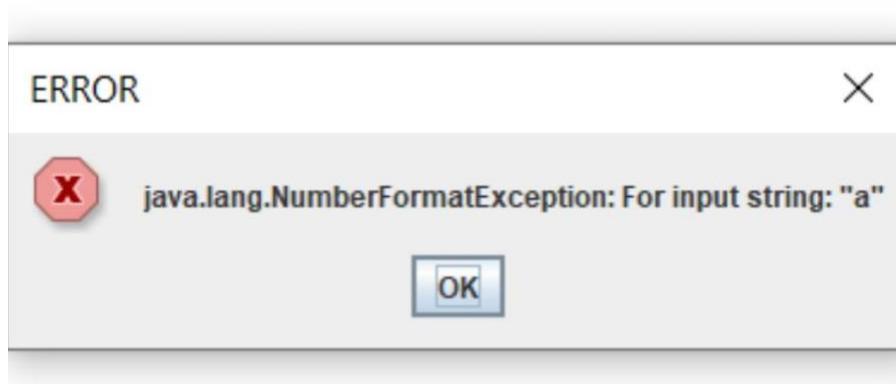
NUMBER 1 NUMBER 2

RESULT

 INTEGER DIVISION OF T... -

NUMBER 1 NUMBER 2

RESULT



 INTEGER DIVISION OF T... —

NUMBER 1 NUMBER 2

RESULT

