

OBJECT-ORIENTED PROGRAMMING (CSF3043)

K1

LECTURER: PN. NOOR HAFHIZAH

DEMONSTRATOR : MOHD ARIZAL SHAMSIL BIN MAT ARIFIN

NAME : ARUN MUGILAN A/L SARGUNAN

MATRICS NO.: S63746

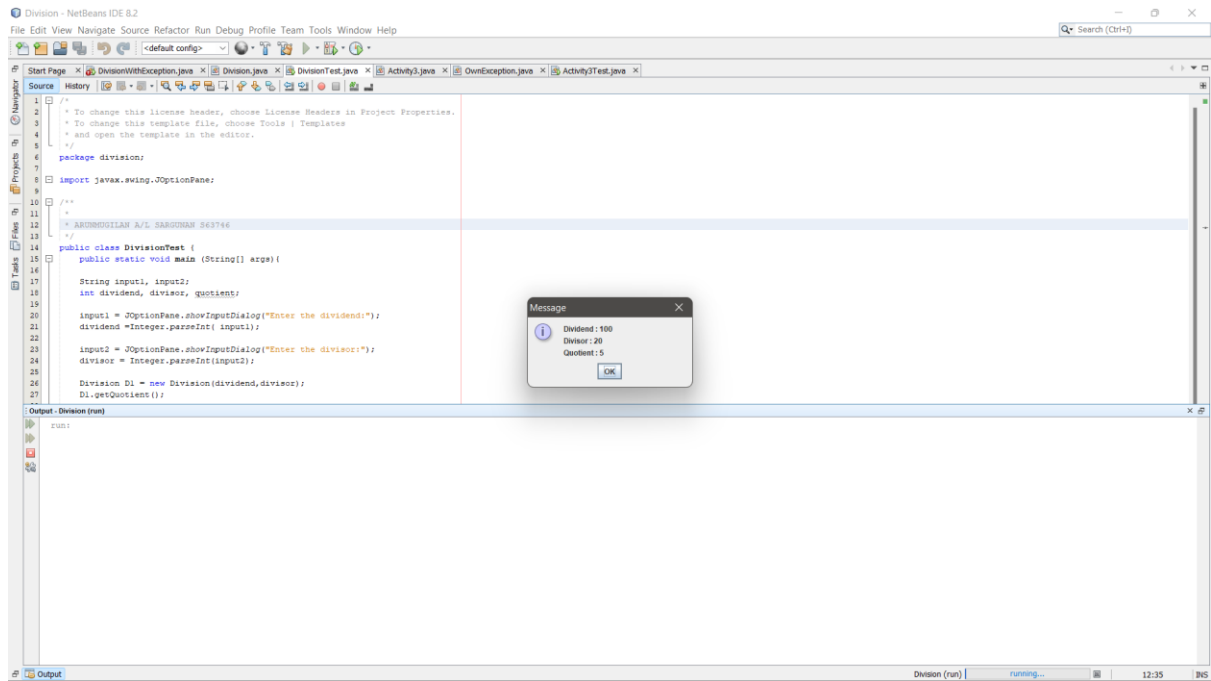
LAB MODULE: 7

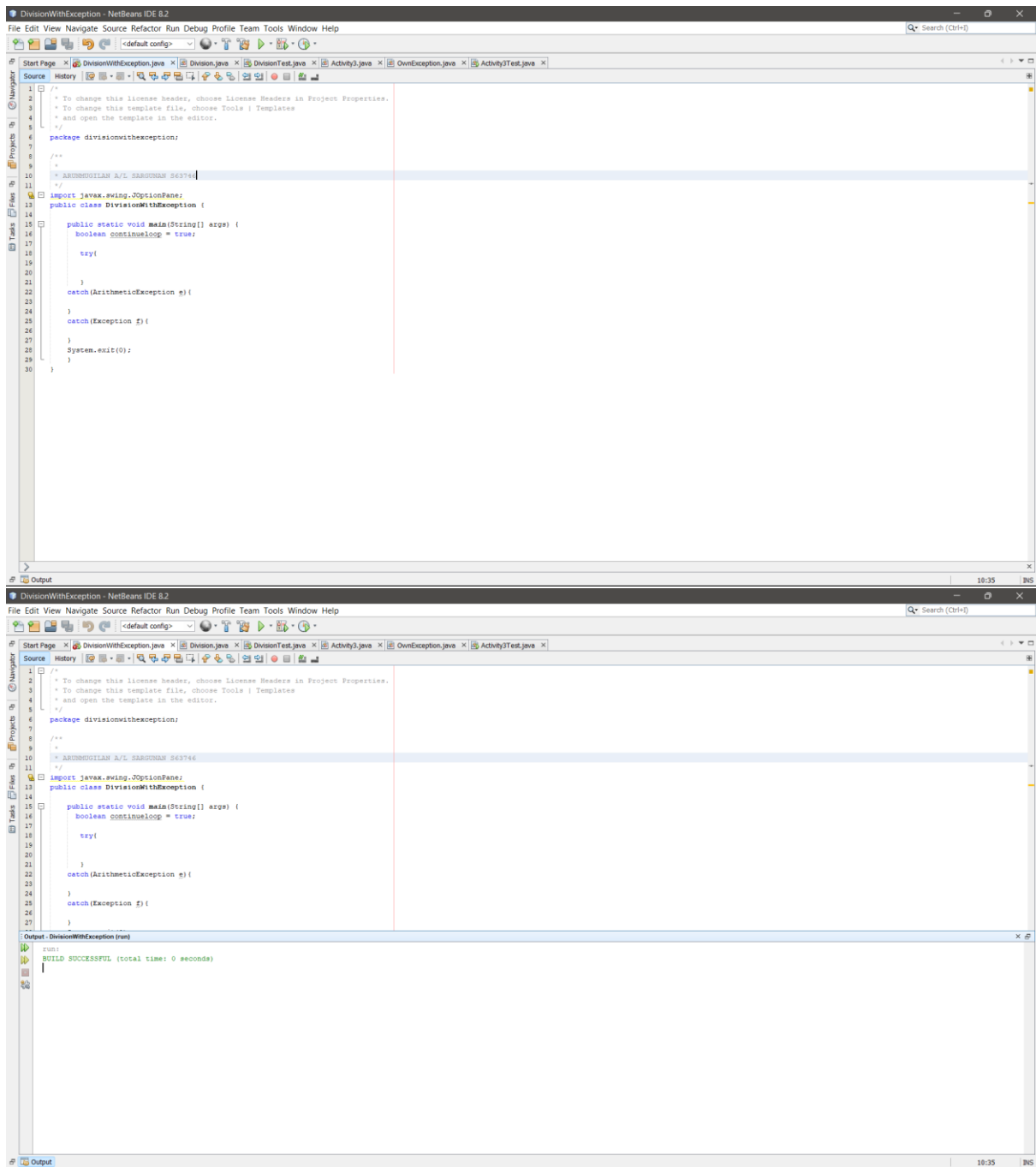
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Division - NetBeans IDE 8.2
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Start Page DivisionWithException.java DivisionTest.java Activity3.java OwnException.java ActivityTest.java
Source History
1 //
2 * To change this license header, choose License Headers in Project Properties.
3 * To change this template file, choose Tools | Templates
4 * and open the template in the editor.
5 */
6 package division;
7
8 /**
9  *
10  * @author MOHILAN A/L SARGUNAN 563746
11  */
12 public class Division {
13     private int dividend;
14     private int divisor;
15     private int quotient;
16
17     public Division(int dividend, int divisor) {
18         this.dividend = dividend;
19         this.divisor = divisor;
20     }
21
22     public int getDividend() {
23         return dividend;
24     }
25
26     public void setDividend(int dividend) {
27         this.dividend = dividend;
28     }
29
30     public int getDivisor() {
31         return divisor;
32     }
33
34     public void setDivisor(int divisor) {
35         this.divisor = divisor;
36     }
37
38     public int getQuotient() {
39         int Quotient = getDividend() / getDivisor();
40         return Quotient;
41     }
42
43     public void setQuotient(int quotient) {
44         this.quotient = quotient;
45     }
46
47 }
48
49
Output 10:35 BNS
```

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Division - NetBeans IDE 8.2
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Start Page DivisionWithException.java DivisionTest.java Activity3.java OwnException.java ActivityTest.java
Source History
1 //
2 * To change this license header, choose License Headers in Project Properties.
3 * To change this template file, choose Tools | Templates
4 * and open the template in the editor.
5 */
6 package division;
7
8 import javax.swing.JOptionPane;
9
10 /**
11  *
12  * @author MOHILAN A/L SARGUNAN 563746
13  */
14 public class DivisionTest {
15     public static void main (String[] args) {
16
17         String input1, input2;
18         int dividend, divisor, quotient;
19
20         input1 = JOptionPane.showInputDialog("Enter the dividend:");
21         dividend = Integer.parseInt(input1);
22
23         input2 = JOptionPane.showInputDialog("Enter the divisor:");
24         divisor = Integer.parseInt(input2);
25
26         Division D1 = new Division(dividend, divisor);
27         D1.getQuotient();
28
29         JOptionPane.showMessageDialog(null, "Dividend : "+dividend + "\nDivisor : "+divisor + "\nQuotient : "+D1.getQuotient());
30     }
31 }
32
33
Output 12:35 BNS
```





Activity3 - NetBeans IDE 8.2

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Start Page DivisionWithException.java Division.java DivisionTest.java Activity3.java OwnException.java Activity3Test.java

Source History

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1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package activity3;
7
8  /**
9   *
10   * ARONMOGILAN A/L SARSONAN 563746
11   */
12
13  public class Activity3 {
14      private int number1;
15      private int number2;
16
17      public Activity3 (int num1, int num2) {
18          number1 = num1;
19          number2 = num2;
20      }
21
22
23      public void setnumber1(int num1) {
24          this.number1 = num1;
25      }
26
27      public int getnumber1() {
28          return (this.number1);
29      }
30
31      public void setnumber2(int num2) {
32          this.number2 = num2;
33      }
34      public int getnumber2() {
35          return (this.number2);
36      }
37
38      public double divider() {
39          return getnumber1() / getnumber2();
40      }
41  }
42
43  
```

activity3.Activity3 > Activity3 >

Output 18:25 BIS

Activity3 - NetBeans IDE 8.2

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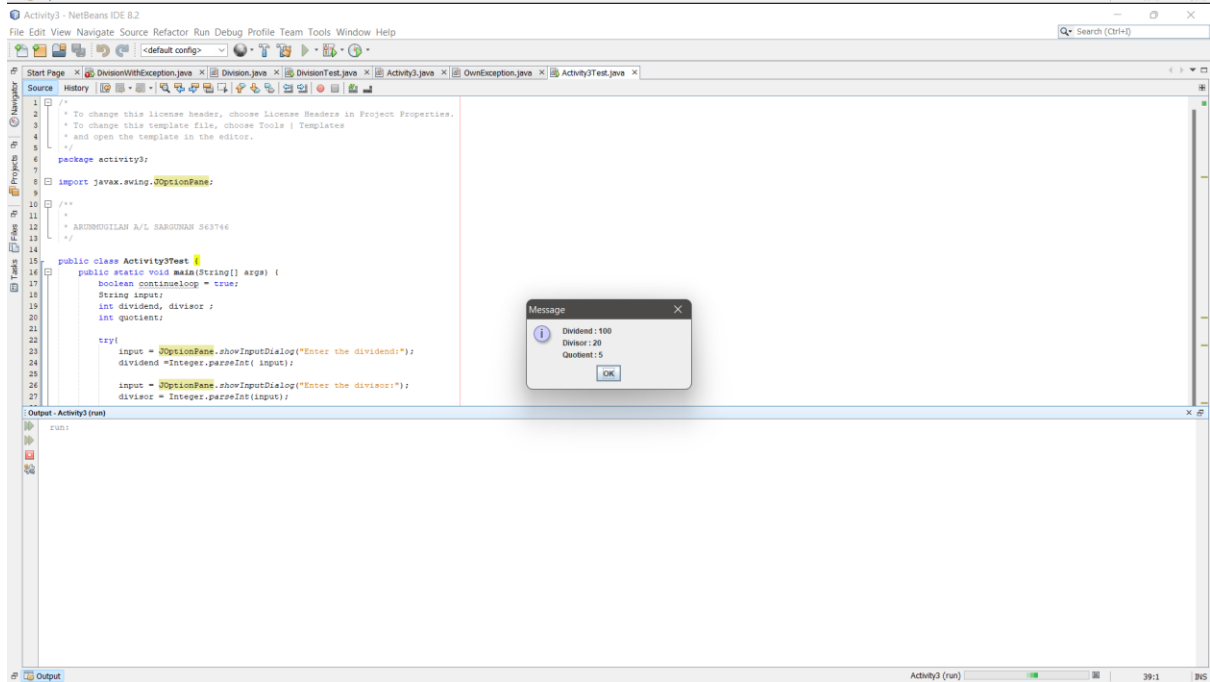
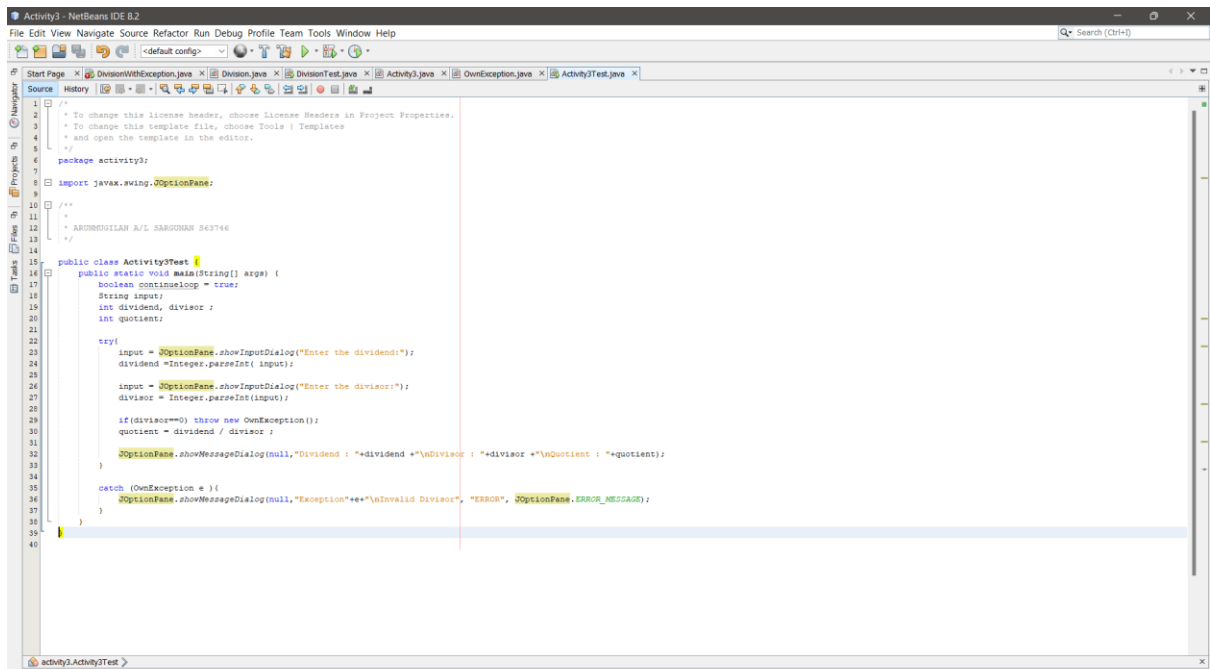
Start Page DivisionWithException.java Division.java DivisionTest.java Activity3.java OwnException.java Activity3Test.java

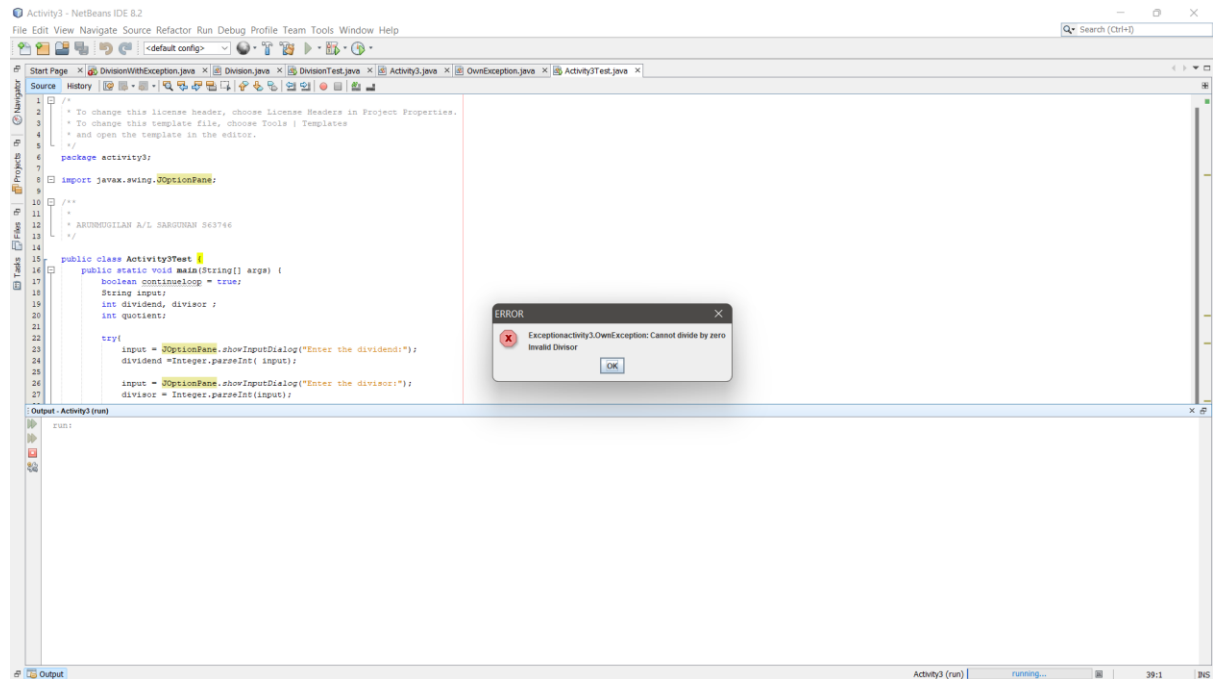
Source History

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1  /*
2  * To change this license header, choose License Headers in Project Properties.
3  * To change this template file, choose Tools | Templates
4  * and open the template in the editor.
5  */
6  package activity3;
7
8  /**
9   *
10   * ARONMOGILAN A/L SARSONAN 563746
11   */
12
13  public class OwnException extends Exception {
14      public OwnException() {
15          super("Cannot divide by zero");
16      }
17  }
18
19
20  
```

activity3.OwnException >

Output 12:44 BIS





```
ArrayAccess - NetBeans IDE 8.2
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Start Page ColorSelectFrame.java ColorSelect.java ConvertFrame.java Convert.java ArrayAccess.java
Source History

1 //
2 * To change this license header, choose License Headers in Project Properties.
3 * To change this template file, choose Tools | Templates
4 * and open the template in the editor.
5 */
6 package arrayaccess;
7
8 /**
9  *
10  * ARONMOSILAN A/L SARASUNAN 563746
11  */
12
13 import java.awt.*;
14 import java.awt.event.*;
15 import javax.swing.*;
16
17 public class ArrayAccess extends JFrame {
18     private JTextField inputField, retrieveValueField, retrieveIndexField, outputField;
19     private JPanel inputPanel, retrievePanel, outputPanel;
20     private int num, index = 0, accessArray[];
21     private String result;
22
23     public ArrayAccess() {
24         super("Accessing Array values");
25         accessArray = new int[10];
26
27         Container container = getContentPane();
28         container.setLayout(new FlowLayout());
29
30         inputPanel = new JPanel();
31         inputPanel.add(new JLabel("Enter array elements here"));
32         inputField = new JTextField(10);
33         inputField.addActionListener(new ActionListener() {
34
35             public void actionPerformed(ActionEvent e) {
36                 inputField.setText("");
37             }
38         });
39
40         container.add(inputPanel);
41
42         retrievePanel = new JPanel(new GridLayout(2, 2));
43         retrievePanel.add(new JLabel("Enter number to retrieve"));
44         retrieveValueField = new JTextField(10);
45         retrieveValueField.addActionListener(new ActionListener() {
46
47             public void actionPerformed(ActionEvent e1) {
48                 retrieveValueField.setText("");
49             }
50         });
51
52         outputPanel = new JPanel();
53         outputPanel.add(new JLabel("Result"));
54         outputField = new JTextField(30);
55         outputField.setEditable(false);
56         outputField.addActionListener(new ActionListener() {
57
58             public void actionPerformed(ActionEvent e2) {
59                 outputField.setText("");
60             }
61         });
62
63         container.add(retrievePanel);
64         container.add(outputPanel);
65
66         setSize(400, 200);
67         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
68     }
69
70     public static void main(String args[]) {
71         ArrayAccess application = new ArrayAccess();
72         application.setVisible(true);
73     }
74 }
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