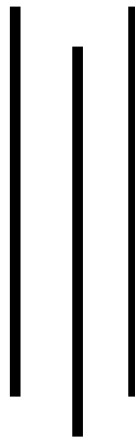


Kathmandu College of Technology

Lokanthali, Bhaktapur



A Lab Report of
“Advanced Java Programming”
As required for the partial fulfillment of the
B.Sc. CSIT 7th Semester
Affiliated to Tribhuvan University.

Submitted by:

Nawaras kc
Roll No.:24412

Submitted to:

Trilok Ojha
Lecturers, BSc. CSIT

TABLE OF CONTENT

LAB NO.	TITLE
1.	<ol style="list-style-type: none"> 1. WAP in Java to calculate the area of rectangle and triangle. 2. Implement above problem using method overloading and use constructor to initialize variables. 3. WAP to find the smallest and largest element and sum of all the elements of an array. 4. Implement the given class diagram. 5. WAP in java to implement try-catch, finally and throw statement. 6. WAP in java to demonstrate ArithmeticException, ArrayIndexOutOfBoundsException, NullPointerException, NumberFormatException separately.
2.	<ol style="list-style-type: none"> 1. WAP in java to create multiple threads with following technique: <ol style="list-style-type: none"> a) Implementing Runnable b) Extend Thread class. 2. WAP to take two numbers as input from user and perform Addition, subtraction, multiplication and division. 3. WAP to read the content of a file and display it. 4. WAP to write some content in a file. 5. WAP to read the content of a file and write it to another file. 6. Design a simple registration form using swing components. (Form should include textfield, password field, radio button, check box, combo box, image, and text area.) 7. Design a simple calculator using GUI components (pick and drop). Calculator must perform at least all the arithmetic operations and reset option). 8. WAP to implement different dialog boxes. 9. WAP to implement menu and popup menu option in Java.
3.	<ol style="list-style-type: none"> 1. WAP in java to insert, select, modify and delete data of a database. 2. WAP in java to insert two numbers from UI and then find the sum of these numbers and display the sum. 3. WAP in java to implement DDL statement. 4. WAP in java to implement DML statements.
4.	<ol style="list-style-type: none"> 1. WAP to display protocol, authority, host, port, path, query, file name and ref from the URL "http://example.com:80/docs/books/tutorial" + "/index.html?name=networking#DOWNLOADING" 2. WAP to read directly from a URL. 3. WAP to implement chatting programming between server and multiple clients.
5.	<ol style="list-style-type: none"> 1. WAP using JavaFX to implement JavaFX Layouts: FlowPane, BorderPane, Hbox, VBox, GridPane. 2. WAP using JavaFX to implement JavaFX UI Controls: Label, TextField, Button, RadioButton, CheckBox, Hyperlink, Menu, Tooltip, FileChooser.

6.	<ol style="list-style-type: none">1. Write a JSP/Servlet program that takes your name and address from a HTML Form and displays it on a web page.2. Write a JSP program that output current time only.3. Write a JSP program that counts the number of times a link is clicked.4. Create a login form and check if the user name and password entered by the user are correct.5. Write a JSP program that displays “Good Morning” or “Good Evening” based on the present time.6. Write a simple JSP program to show the database connectivity. Your program should use insert, delete, select and update operations.7. Write a simple program to demonstrate the implementation of servlet.8. Design a simple HTML form with two text fields for user name and password and display the content of these text boxes in another page using servlet.9. WAP to create client and server using RMI.10. Write a simple CORBA program to implement client and server architecture.
----	---