**Programming with Java**

**Assignment 4**

1) Declare an array with 2 elements. Try to access the 3rd element as: arr[3] = 30/0;

which throws exceptions and write multiple catch block for this.

(ArrayIndexOutOfBound Exception and Arithmetic Exception )

2) Write an application that accepts three values for marks as the command line

arguments and find out the percentage. This should generate the

NumberFormatException if an element is incorrectly formatted.

3) Write a program to create user define exception MyException. Define a class

ExceptionDemo that has a method named compute( ) which throws a MyException

object, when compute( )’s integer parameter is greater than 10.

4) Rewrite above example with finally block.

5) Create a class TestThread which extends class Thread and show the use of sleep

method. (Create 2 thread of TestThread ).

6) Write an application that executes two threads. One thread displays “Hello” every

1000 milliseconds and the other displays “Hi” every 2000 milliseconds. Create the

threads by extending Thread class.

7) Write a JAVA program that creates threads by extending Thread class .First thread

display “Good Morning “every 1 sec, the second thread displays “Hello “every 2

seconds and the third display “Welcome” every 3 seconds ,(Repeat the same by

implementing Runnable).

8) Write a Java program that takes the file name as command line argument and print

file contents on the screen.

9) Write a program that will copy one file into other file.