

FACULTY OF COMPUTER APPLICATION & IT
BCA PROGRAMME
SEM-IV
SUBJECT : Core JAVA
PARCTICAL ASSIGNMENT – 4(Unit - 4)

1	Write a program to display the sum of digits of given numbers with exception handling.
2	Write a java program which takes 2 arguments - a string and its length. If the length of the string is not according to given one then throw the user defined LengthMatchException and handles it appropriately.
3	Write a Java program to input n integer numbers and display lowest and second lowest number. Also handle the different exceptions possible to be thrown during execution.
4	Write a java program that accepts 5 even numbers from joption pane. If any of the number is odd then throw custom exception OddException and count such invalid numbers.
5	Write a program to define custom exception called "no match exception" that is thrown when a string is not equal to "internet" This string is providing through Joption pane.
6	Write a program that executes two threads. One thread displays Thread1” every 2,000 milliseconds, and the other displays “Thread2” every 4,000 milliseconds. Create the threads by extending the Thread class.
7	Write a program that executes two threads. One thread will print the even numbers and the other thread will print odd numbers from 1 to 50.
8	Write a program to create a thread that implement runnable interface
9	Write a java program which create threads using the thread class.
10	Define User-Defined Exception which calculate the squire of value.
11	Write a java program using try catch block and finally block.
12	Write a class to sort the given set of N integers in descending order. Include a try block to locate the array index out of bounds exeption and catch it.
13	Write a java program to handle an ArithmeticException.
14	Write a java program to handle NullPointerException.
15	Write a java program to handle NumberFormatException.
16	Write a java program to handle ArrayIndexOutOfBoundsException.
17	Write a java program to handle StringIndexOutOfBoundsException.
18	Write a program in Java to develop user defined exception for 'Divide by Zero' error.
19	Write an small application in Java to develop Banking Application in which user deposits the amount Rs 1000.00 and then start withdrawing of Rs 400.00, Rs 300.00 and it throws exception "Not Sufficient Fund" when user withdraws Rs. 500 thereafter.
20	Write a java program to handle the exception using try and multiple catch block.
21	Write a program to handle the user defined exception using throw keyword.
22	Write a java program to create two threads. One using runnable interface and other by extending thread. First thread will print all odd numbers and second will print all even numbers between 1 to 10.

23	Write a program to create three threads. Assign priority to thread. Make a class to test them. Also use Sleep method to give pause between them.
24	Write a java program to create 3 threads using Thread class. Three threads should calculate the sum of 1 to 5, 6 to 10 and 11 to 15 respectively. After all thread finishes main thread should print the sum and average.