CA2L2   **OOPS THROUGH JAVA LAB**   **Credits : 2**

Lab Hours : 4 periods / week   Internal assessment : 25   Marks

Semester and Examination: 50   Marks

1. Write a program for Fibonacci Sequernce?
2. WAP to demonstrate wrapper classes, and to fix the precision
3. WAP that prompts the user for an integer and then prints out all the prime numbers up to that integer.
4. WAP for sorting a given list of names in ascending order.
5. WAP to check the compatibility for multiplication, if compatible multiply two matrices and find its transpose.
6. WAP that illustrate how runtime polymorphism his achieved.
7. WAP to create and demonstrate packages
8. WAP using String Tokenizer class, which reads a line of Integers and then displays each Integer and the sum of all integers.
9. WAP that read on file name from the user then displays information about whether the file exists, whether the file is readable / writable, the type of file and the length of the file in bytes and display the content of the using FileInputStream Class.
10. WAP to displays the number of characters, lines and words in a text/ text file.

11. Write an Applet that displays the content of a file.
12. WAP that works as a simple calculator, use a grid layout to manage buttons.
13. WAP for handling mouse events.
14. WAP for demonstrating the life cycle of a thread
15. WAP that allows user to draw lines, rectangles, and ovals.
16. WAP to create pie charts. Design your own user Interface(Swings & AWT).
17. WAP to generate a set of random numbers between two numbers x1 and x2, and x1>0.
18. WAP to implement Queue, using user defined Exception Handling (also use of throw, throws)
19. WAP that creates 3 threads by extending Thread Class. First Thread displays "Good Morning" every 1 sec, the second thread displays "Hello" every 2 seconds and the third displays "Welcome" every 3 seconds. (Repeat the same by implementing Runnable)