

# LIST OF PRACTICALS

**Note: The programs which is taken from book are as:**

**Function Overloading:**Text book –Page no. 121- Program No. 3.2

**Class and Objects:** Text book –Page No. 188 (Unsolved Problems- Q- 1.)

**Constructor and Destructors:** Text book –Page no. 235 Q.-7

**Inheritance:** Text book –Page no. 250, Program 6.2

**Pointers :** Text book , Page No. 370 (Prog.-8.7)

**SQL:** Text book , Page No. 632 (Q.-8)

Text book, Page no. 633 (Q.10)

# INDEX

<u>S.L. NO.</u>	<u>TOPIC</u>	<u>TEACHER'S SIGNATURE</u>
1.	<u>FUNCTION OVERLOADING</u> Program to Calculate interest amount using function overloading	
2.	<u>CLASSES AND OBJECTS</u> ❖ Program to illustrate the concept of classes and objects.	
3.	<u>CONSTRUCTORS AND DESTRUCTORS</u> ❖ Program to illustrate the concept of constructors and destructors.	
4.	<u>INHERITANCE:EXTENDING CLASSES</u> ❖ Program to illustrate the concept of multiple inheritance.	

5. **DATA FILE HANDLING**

- ❖ Program to count the word 'is' as an independent word in the text file "Dialogues.txt".
- ❖ Program to copy the vowels from one file to another file.
- ❖ Program to copy only the specific contents from one file (containing records of any structure) to another file.

6. **POINTERS**

- ❖ Program to illustrate the passing of pointers as arguments in a function.

7. **ARRAYS**

- ❖ Program to search an element from an array using binary search method.
- ❖ Program to insert an element in an array.
- ❖ Program to delete an element from an array.
- ❖ Program to sort the elements of an array using selection sort.
- ❖ Program to sort the elements of an array using bubble sort.
- ❖ Program to sort the elements of an array using insertion sort.
- ❖ Program to sort the elements of an array using merge sort. [1<sup>st</sup> array is in ascending order, 2<sup>nd</sup> array is in descending order and the resultant array should be in ascending order.]

**8. LINKED LISTS, STACKS AND QUEUES**

- ❖ Program for Insertion in the end of a List.
- ❖ Program for Deletion from the beginning of a List.
- ❖ Program for Pushing in a Stack-Array.
- ❖ Program for Popping in an Array-Stack.
- ❖ Program for Pushing in a Linked-Stack.
- ❖ Program for Popping from a Linked-Stack.
- ❖ Program for insertion in an Array-Queue.
- ❖ Program for Deletion in an Array-Queue.
- ❖ Program for Insertion in a Linked Queue.
- ❖ Program for Deletion from a Linked Queue.
- ❖ Program for Insertion and Deletion in a Circular Queue.

**9. STRUCTURED QUERY LANGUAGE**

- ❖ Write the SQL commands and output on the basis of tables Furniture and "Arrivals"
- ❖ Write the SQL commands and output on the basis of tables Doctor and Salary