2CP09: Programming Lab
List of Experiments

Sr No	Experiment
1	Write a c program to copy one file into another file. File names are taken as command line arguments. Do for binary file as well as for asci file
2	Assume that marks are stored into file. Write C/C++ program to find mean and variance
3	Write a program which store N employee information (employee id, employee name, department and salary) into file. Also write functions for searching, updating, adding, deleting and displaying employee information. It should be menu driven
4	You are given integers. Sort the integers and print the sorted order. Store the integers in a vector. Vectors are sequence containers representing arrays that can change in size
5	The first line of the input contains an integer N. The next line contains N space separated integers(1-based index).The third line contains a single integer x, denoting the position of an element that should be removed from the vector. The fourth line contains two integers a and b denoting the range that should be erased from the vector inclusive of a and exclusive of b. • Sample Input : • 6 • 1 4 6 2 8 9 • 2 • 2 4 Sample Output : 3 1 8 9

6	Consider a list (list = []). You can perform the following commands: Insert i : Insert integer at position . print: Print the list. remove e: Delete the first occurrence of integer . append e: Insert integer at the end of the list. sort: Sort the list. pop: Pop the last element from the list. reverse: Reverse the list
7	You are appointed as the assistant to a teacher in a school and she is correcting the answer sheets of the students. Each student can have multiple answer sheets. So the teacher has Q queries: 1. X Y : Add the marks Y to the student whose name is X. 2. X : Erase the marks of the student whose name is X. 3. X : print the marks of the student whose name is X. (if X didn't get any marks print 0.) Input The first line of the input contains Q where Q is the number of queries. The next Q lines contain 1 query each.The first integer, type of each query is the type of the query. If query is of type 1, it consists of one string and an integer X and Y where X is the name of the student and Y is the marks of the student. If query is of type 2 or 3, it consists of a single string X where X is the name of the student..
8	You have given value and weight of N objects. Sort them based on value/weight ratio. Assume value and weight stored in vector
9	Given N strings, print unique strings in lexicographical order with their frequency using map
10	Given N strings and Q queries. In every query you are given a string. Print yes if string is present else print no. use set
11	C++ program to demonstrate the use of priority_queue
12	C++ program to demonstrate stack, queue and deque
13	Install graphics and draw basic primitives like line ,circle, polygon etc
14	Write c++ program to move circular star on circular orbit

15	Draw cycle and show the movement
16	Use mouse and draw polygon
17	Draw Pie chart and Bar chart for annual sales of some company. Assume that month wise sales is given in file
18	Develop menu driven system(using graphics mode) for the employee management Give option like add, delete, modify, update, display etc
19	Solve linear equations using gauss elimination method e.g. x1+2x2+x3=0 2x1+2x2+3x3=3 -x1-3x2=2
20	Find inverse of given matrix
21	Write C++ program to implement Newton Raphson method to find root of the equation
22	Write C++ program to find the root of given equation using Bisection method
23	Write C++ program to implement Newton's formula for interpolation