

DEPARTMENT OF COMPUTER SCIENCE
ROLLWALA COMPUTER CENTRE
GUJARAT UNIVERSITY
M.C.A. – II

ROLL NO : 10

NAME : Pradip S Karmakar

SUBJECT : Advanced Programming

NO.	TITLE	PAGE NO.	DATE	SIGN
	Practical Assignment 1	9	02/07/2020	
1	Write a complete 'c' program that will accept information about Cricket.			
2	Write a complete 'c' program that will accept information about different games.			
3	Write a program that stores and displays the records of the customer.			
4	Write a program to maintain the inventory of the books.			
5	Write a C Program for Vehicle Info System.			
	Practical Assignment 2	80	02/07/2020	
1	Write a program using pointers to read array of integers and print its elements in reverse order.			
2	Write a program using pointers to find minimum and maximum element of an array and display it along with the address at which it is located			
3	Write a program to count the number of vowels, consonants, digits and white space characters using pointers.			

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4	Write a program using pointers to implement the transpose of a matrix.			
5	Write a program using pointers to implement the matrix multiplication.			
6	Write a program to perform summation of a matrix using pointers.			
7	Write a program to sort the list of strings using pointers.			
8	Write function that receives a sorted array of integers and an integer value, and inserts the value in correct place.			
9	Write a function that will round a floating point number to an indicated decimal place eg: The number 17.457 would yield the value 17.46 when it is rounded off to two decimal places.			
10	Write a function using pointers to exchange the value stored in two locations in the memory			
11	<ul style="list-style-type: none">➔ Find the first occurrence of a character in the given string. The function should return the position in the string.➔ Find the first occurrence of a string in another string. The function should return the position in the string➔ Delete all occurrences of a character from a string.➔ Delete all occurrences of a string from another string.➔ Delete all occurrences of a character from a string. Ignore Case.			

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| <ul style="list-style-type: none">➔ Delete all occurrences of a string from another string. Ignore Case.➔ Copy one string to another string.➔ Copy n characters of one string to another string.➔ Find length of the string and toggle the characters of the string.➔ Convert string to all upper case➔ Convert string to all lower case➔ Sort an array of string.➔ Append one string to another string.➔ Append at most n characters of one string S2 to another string S1.➔ Reverse all the characters in the string.➔ Compare two strings S1 and S2. The function should return -1, 0 or 1 if S1 < S2, S1 = S2 and S1 > S2 respectively➔ Compare two strings S1 and S2. The function should return -1, 0 or 1 if S1 < S2, S1 = S2 and S1 > S2 respectively Ignore case.➔ Compare at most n characters of two strings S1 and S2. The function should return -1, 0 or 1 if S1 < S2, S1 = S2 and S1 > S2 respectively.➔ Compare at most n characters of two strings S1 and S2. The function should return -1, 0 or 1 if S1 < S2, S1 = S2 and S1 > S2 respectively.Ignore case. | | | |
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	Practical Assignment 3	152	02/07/2020	
1	Write a modular C program to create a singly linked list & Display In FIFO Pattern.			
2	Write a modular C program to create a singly linked list & Display In LIFO Pattern.			
3	Write a menu driven program for insert delete and display link list.			
4	Write a C program to create a ordered singly linked list & Display.			
5	Write a modular C program to create a singly linked list in Reversed Order & Display.			
6	Write a modular C program to create a singly linked list Add All the Elements & Display.			
7	Write a modular C program to create two singly linked list & Append Into First Linklist & Display			
8	Write a modular C program to swap two consecutive value from the linklist & display.(only value swap)			
9	Write a modular C program to swap two consecutive value from the linklist & display. (Only Address Swap)			
10	Write a modular C program to create a singly linked list & split into two linklist & display.			

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	Practical Assignment 4	225	02/07/2020	
1	Write a program to read a line from input file and print alternate characters in the output file. Display appropriate message for file i/o errors.			
2	Write a program to copy the contents of one file to another and also print the no. of lines in the first file.			
3	Write a program to search a particular word in an existing file and display the no. of occurrences and the position of first occurrence of that word. If the word is not found display the appropriate message.			
4	The files DATA1 and DATA2 contain sorted list of integers. Write a program to produce a third file DATA which holds a single sorted merged list of these two lists.			
5	Write a program to read line by line from a file and print all the repeated characters on the screen along with their frequency.			
6	Write a function to read a file and count the no. of characters, spaces, tabs, newlines and no. of words in a given text file.			
7	Write a function to accept a string from the keyboard and remove all occurrences of that string from a given file.			
8	Write a program to remove all the blank lines from a given file.			

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9	Write a program a program to remove all the comments from a C file.			
10	Write a program that will generate a data file containing the list of customers and their corresponding telephone numbers. Use a structure variable to store the name and telephone number of each customer. Create a data file using a sample list.			
11	Write an interactive menu driven program that will access the data file created in the above problem to do one of the following task: a. Determine the telephone number of a specific customers b. Determine the customer whose telephone no. is specified. c. Add a new record. d. Delete a record e. Generate the listing of all the customers and their telephone numbees			
12	Use a structure of Employee to write records of employee to a file. Include a menu that will allow the user to select any of the following features a. Add a new record. b. Delete a record. c. Modify an existing record. d. Retrieve and display an entire record for a given name. e. Generate a complete list of all names, addresses and telephone numbers. f. End of the computation.			
13	Write a program that will generate a data file containing the list of countries and their corresponding capitals. Place the name of each country and its corresponding capital in a separate structure. Treat each structure as a separate record. Run the program, creating a data file for use in the next problem.			

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14	<p>Write an interactive, menu-driven C program that will access the data file generated in the preceding problem and then allow one of the following operations to be executed:</p> <p>a. Determine the capital of a specified country. b. Determine the country whose capital is specified. c. Terminate the computation.</p>			
15	<p>Write a complete C program that can be used as a simple line-oriented text editor. This program must have the following capabilities :</p> <p>a. Enter several lines of text and store in a data file. b. List the data file c. Retrieve and display a particular line, determine by line editor d. Insert n line e. Delete n line f. Save the newly editrd text and end the computation.</p>			
16	<p>Write a C Program to build utilities for performing following tasks (Use Command Line Arguments)</p> <p>a. For computing the average of given numbers b. For computing factorial of given numbers c. List all the files in current directory containing word ROLLWALA. d. Rename given file. e. List all EXE files in a given diectory. f. Merge two files into third file.</p>			