

I N D E X

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1	12 – 09 - 2023	An electricity board charges the following rates to user. For the first 100 units → 60p per unit. For the next 200 units→80p per unit. Beyond 300 units→90p per unit. All users are charged a minimum of Rs. 50; if the total amount is more than 300 then an additional surcharges of 15% is added. Write a program to accept name of user consumed and print charges with their rates.	1	
2	12 – 09 - 2023	Define a class to represent a bank account.include the following members: a. Name of the depositor b. Account number c. Type of Account d. Balance amount in the Account Member Functions: a. To assign initial values. b. To deposit an amount. c. To withdraw an amount after checking the balance. d. To display name and balance. Write main program and handle accounts of 5 customers.	5	
3	12 – 09 - 2023	Program to create a class person having members name and age. Derive a class student having member percentage. Derive another class teacher having member salary. Write necessary member function to initialize, read and write data. Also write the main function.	9	
4		Program to create a class name student having date member name, no & three	13	

	23 – 09 - 2023	marks. Write a member function to input name, roll no & marks & calculate percentage.		
5	24 – 09 - 2023	Create a class called "Vehicle" which contains data members registration number and fuel type Make getdata() function to input data value. Create class "two-Wheeler" from vehicle which contains data member's distance and mileage Make getdata() function to input data. Use overloading techniques for getdata() function and display the information with fuel used.	16	
6	24 – 09 - 2023	Write a program that consist of two classes Time12 and Time24. The first one maintains time on 12 hour basis, whereas the other one maintains it on 24-hour basis.	19	
7	25 – 09 - 2023	Create two classes DM and DB which store the values of distance. DM stores distance in meters and centimeters. DB stores distances in feet and inches. Write a program that can read values for the class object and add one object of DM with another object of DB. Use a friend function to carry out the addition operation and this function will display answer in meter and centimeters.	23	
8	26 – 09 - 2023	Write a program to maintain a telephone directory use add() and Show() methods to add new entries and display the telephone numbers of a person when the name of the person is given.	25	
9		Create a base class shape use the class two store double type value that could be	30	

	26 – 09 - 2023	used to compare the area. A drive to specific classes called triangle and rectangle. From the base shape and a member in get data to the base class to initialize base data member and another function display area.		
10	28 – 09 - 2023	Write Program to implement Stack Operations like PUSH, POP, PEEP, UPDATE and DISPLAY using class and object.	32	
11	28 – 09 - 2023	Write Program to convert Infix to Postfix expression using class and object.	37	
12	28 – 09 - 2023	Write Program to convert Infix to Prefix Expression using class and object.	40	
13	29 – 09 - 2023	Write Program to implement Simple Queue Operations like Insert, Delete and Display.	44	
14	01 – 10 - 2023	Write Program to implement Circular Queue Operations like Insert, Delete and Display using class and object.	48	
15	02 – 10 - 2023	Write Program to implement Double Ended Queue Operations like Insert, Delete and Display using class and object(To Perform Input Restricted).	53	
16	02 – 10 - 2023	Write Program to implement Double Ended Queue Operations like Insert, Delete and Display using class and object(To Perform Output Restricted).	58	