2022

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Assignment-1

*this assignment include program related to following topics

- ✓ **member function**
- ✓ **Inline function**
- ✓ **function overloading**
- ✓ **constructor**
- ✓ **constructor overloading,**
- ✓ **friend function**

1	23-10-2019 Set-11	Write a C++ program to perform addition of 3 numbers using default argument (take second and third number as default argument).	20
2	23-10-2019 Set-12	Write a C++ program to calculate Area of Square, circle and Triangle using function overloading.	20
3	23-10-2019 Set-15	Write a C++ program that accept three values from user and display smallest value among them using inline function.	20
4	23-10-2019 Set-16	Write a C++ program for a Store keeper who wants to store and see the detail about Product that he sold. It must include a) Pro_Code b) Pro_ Name c) Pro_ Price d) Sold_date Write inline functions that accept above detail from shop keeper and display them on screen with formatted manner.	20
5	4/12/17 Set-1	Write a c++ program as per following information 1. Create a class **STUDENT** which contains data members such as name, id, per, and college_name. 2. Input any 10 records using member function get_data(). 3. Sort records as per college_name using member function sort(). 4. Display records in appropriate format using display()	25
6	4/12/17 Set-2	Write a c++ menu based program as per in following information 1. create class **ACCOUNT** which contains data members such as acc_no,name,bal. 2. to provide following facility a. deposite() b. withdraw() c. display() Perform above operation until user want to exit. If withdraw amount is larger than main balance then give appropriate message.	25
7	23-04-18 Set-1	Q-3Write a C++ program to create a class "Employee". Data member like emp_no, emp_name, bsalary(basic salary), ta, da, hra, pf, net_salary and take the information of employee (take only emp_no, emp_name, bsalary from user) with getdata() member function, use calculate() member function to calculate ta (10%), da (40%), hra (25%) and pf (15%) from bsalary and final salary store into net_salary data member. Also display data with putdata() member function. [50]	50
8	24-10-19 Set-14	Write a C++ program that define a class "student". "student" includes st_no, name, address, phone, course as data members. Use the constructor overloading and display all the information about student.	20

9	22-4-19 Set-A	Que – 3 WAP in C++ to create a class student which consist information such as roll_no, name, mobile_no, marks_of_oracle, Marks_of_java, Marks_of_networking, percentage, and grade. Find out grade of a student using member functions like input(), process(), output(). (Note: validation criteria must be followed example: marks of any subject neither less than 0 nor more than 100 and so on, and if so generate appropriate exception) [25]	25
10	22-4-19 Set-B	Que – 4 WAP in C++ to create class matrix to represent 3X3 matrix, and to perform row total and column total. Define appropriate data members and member functions. [25]	20
11	22-10-19 Set-6	Write a C++ program to perform multiplication of 2 numbers, 3 numbers and 4 numbers using function overloading.	20
12	22-10-19 Set-5	Find out maximum number from two different classes using friend function.	20
13	23-10-19 Set-10	Write a C++ program to perform swap two numbers using call by value.	20
14	23-10-19 Set-9	Write a C++ program to perform division of two numbers using return by value.	20
15	21-10-19 Set-2	Perform all arithmetic operations (+, - , *, /) using inline function in C++.	20
16	21-10-19 Set-3	Create a class interest having following data member and member functions Data Members:- ✓ p (Principal amount) ✓ n (Number of years) ✓ r (Rate of interest) Member function:- ✓ calc(Take p and n as default arguments)	20
17	21-10-19 Set-4	Create a Class Employee, that contain emp_no, emp_name, dept_name ,salary, TA,DA,PF,net_salary as data members. Write a constructor which is used to accept value from the user also define display () to display employee's detail. (Calculate TA is 10%, DA 8%, PF 5% of salary).	20
18	21-10-19 Set-4	Write a C++ program using class and member function(s) which is used to perform swapping of two numbers using call by reference.	20
19	11-12-18 Set-7	Write a C++ program to enter any number and check whether entered number is palindrome or not using class. ▪ Use appropriate member function to implement program.	20
20	11-12-18 Set-8	Write a C++ program to take number from user and check that number is Armstrong or not using class. ▪ Use appropriate member function to implement program.	20
21	10-12-18 Set-1	Write a C++ program for the Book Store to help book seller about the books that he sells. It must include: Book Code, Title, Author, Edition, Publisher ▪ Enter information about ten books and display one by one on screen. ▪ Also display user's choice book from entered books details based on book title, display appropriate message if available or not. ▪ Use appropriate member functions.	20

22	10-12-18 Set-2	Write a C++ program for an Educational Institute to store information about their Faculties. Institute requires following information about their faculties. Faculty Name, Address, City, Phone Number, Gender, Age of Faculty ▪ Use parameterized constructor to enter data dynamically. Also define default constructor to create empty object. ▪ Also display data using appropriate member function.	20
23	5-12-17 Set-5	Write a c++ program to create class "EMPLOYEE" which contains data members such as emp_id, emp_name, emp_basic_salary, HRA(12%), DA(10%), net_salary. It also contains member function such as get_data() for getting data. Calculate() for calculate net_salary Display() for display all records. Insert any 10 records and display all information in appropriate format.	25

29	5-12-17 Set-6	Write c++ program to use **overloaded constructors** of following type:
		    ○ Do - nothing constructor
		    ○ constructor using one integer type argument
		    ○ Copy constructor (a constructor which takes a reference to another object of same class)
		
		Create objects of the class in such a way in main function that it generates following output:
		
		Value of alpha = 23
		Value of beta = 23
		Value of gamma = 23
		Value of theta = 23
			25

30	5-12-17 Set-6	Write a menu driven program as per following information. 1. Create class "ITEM" which stores the value of i_id, i_name, i_stock. 2. To provide facility such as Purchase(),Sales(),Stock() 3. Store initial data using constructor, if user purchase item then increase the stock, if sales then decrease the stock.	20
31	21-4-16	Write a C++ Program to enter one number and reverse it using constructor. [30]	30
32	January 2017	Q-1 Write a C++ Program to enter one number and check it is palindrome number or not using constructor. [30]	30

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