

Zeal Education Society's
Zeal College of Engineering & Research, Pune-411041
Department of Computer Engineering
Index of Assignments OOPL

Sr.No.	Name of Assignment
1	Install, Configure 64 bit Linux Operating Systems, study basic architecture, memory system, and learn basic administration.
Group A	
2	Implementation of a class Complex which represents the Complex Number data type. Using operator overloading
3	Write a C++ program create a calculator for an arithmetic operator (+, -, *, /).
4	Program to Construct the student database using constructor, default constructor, Copy constructor, destructor, static member functions, friend class, this pointer, inline code and dynamic memory allocation operators-new and delete.
5	Program for implementation of a publishing company data which does marketing for book and audiocassette versions. Using inheritance
6	Write a function in C++ to count and display the number of lines not starting with alphabet 'A' present in a text file "STORY.TXT". Example: If the file "STORY.TXT"
7	Program for implementation of A book shop. Use new operator in constructors to allocate memory space required.
8	Create employee bio-data using following classes i) Personal record ii) Professional record iii) Academic record Assume appropriate data members and member function to accept required data & print bio-data. Create bio-data using multiple inheritance using C++.
Group B	
9	<p>Crete User defined exception to check the following conditions and throw the exception if the criterion does not met.</p> <ol style="list-style-type: none"> 1. User has age between 18 and 55 2. User stays has income between Rs. 50,000 – Rs. 1,00,000 per month 3. User stays in Pune/ Mumbai/ Bangalore / Chennai 4. User has 4-wheeler <p>Accept age, Income, City, Vehicle from the user and check for the conditions mentioned above. If any of the condition not met then throw the exception.</p>
10	Write a C++ program that creates an output file, writes information to it, closes the file and open it again as an input file and read the information from the file.
11	Write a function template selection Sort. Write a program that inputs, sorts and outputs an int array and a float array.
12	<p>Write a C++ program using command line arguments to search for a word in a file and replace it with the specified word. The usage of the program is shown below.</p> <p><i>\$ change <old word> <new word> <file name></i></p>
Group C	
13	Write C++ program using STL for implementation of Singly, doubly and circular linked list.
14	Write C++ program using STL for implementation of stack & queue using SLL
15	Write C++ program using STL for Dqueue (Double ended queue)

