

S.N.	Title	Date of Submission	Sign
4.	<p>To Demonstrate the Friend Functions in C++.</p> <ol style="list-style-type: none"> <li>Define a Rectangle class with private data members length and width. Create a friend function getArea that calculates and returns the area of the rectangle.</li> <li>Define a person class to include a friend function compareAge that compares the ages of two person objects and prints which one has a greater age.</li> <li>Create classes Circle and Rectangle. Define a friend function compareArea outside both classes that compares the area of a Circle and a Rectangle object and prints the larger one.</li> <li>Design a class BankAccount with private data members balance and ownerName. Implement a friend function transferFunds that allows transferring funds between two BankAccount objects.</li> </ol>	2081/05/___	
5.	<p>Passing object as a function argument and returning object from a function in C++.</p> <ol style="list-style-type: none"> <li>WAP to create a rectangle class with data members length, breadth and color. Initialize length and breadth from constructor. Create a none member function paint that takes rectangle object and a color as arguments and returns the colored rectangle.</li> <li>Create Car and Driver classes and necessary data members. Write a drive function in car class so that when a driver object is passed as argument, it displays the information about the car condition according to driver skill.</li> <li>Create a ComplexNumber class and necessary members. Also create a member function add, that adds two complex numbers and returns a new complex number as a sum of two.</li> <li>Create a class Point with necessary data members. Write a function that takes two points as arguments and returns the mid point.</li> </ol>	2081/05/___	
6.	<p>To illustrate the concept of function overloading in C++.</p> <ol style="list-style-type: none"> <li>WAP to overload a function sum() that can add two integers, two floats and two strings.</li> <li>WAP to overload constructor using any class of your choice.</li> </ol>	2081/05/___	
7.	<p>To illustrate the concept of unary and binary operator overloading in C++.</p> <ol style="list-style-type: none"> <li>WAP to overload the operator ++.</li> <li>WAP to overload the operator &lt; to compare two person based on their age.</li> </ol>	2081/05/___	