

Kantipur Engineering College

Dhapakhel, Lalitpur

Subject: Object-Oriented Programming

Lab-5

Title:

Friend Functions and Classes

Objective:

- To be familiar with the concept of friend function and friend class

Theory:

- Friend Function
- Friend as a bridge function
- Member function of a class as a friend function of another class
- Friend class

Lab exercises

1. WAP to create a class called Rational with data members nume and deno. Using friend function find the greatest one.
2. WAP to add private data of three different classes using the friend function.
3. WAP to add two objects of class Height using friend function.
4. Create classes called class1 and class2 with each having one private member. Add member function to set a value(say setvalue()) for each class. Add one more function max() that is friendly to both classes. max() function should compare two private member of two classes and show maximum among them. Create one-one object of each class and then set a value on them. Display the maximum number among them.