29 Lecture - CS201

Important Subjective

1. What is a friend function in C++?

A friend function in C++ is a function that is not a member of a class but has access to the private and protected members of the class.

2. What is the syntax for declaring a friend function?

The syntax for declaring a friend function is as follows: friend return_type function_name(class_name &object);

3. What is the difference between a friend function and a member function?

A friend function is not a member of the class, but has access to the private and protected members of the class. A member function is a function that is a part of the class and has access to all the members of the class.

4. Can a friend function be called without an object of the class?

Yes, a friend function can be called without an object of the class.

5. Can a friend function be declared inside a class?

Yes, a friend function can be declared inside a class.

6. Can a friend function be inherited by the derived class?

No, a friend function cannot be inherited by the derived class.

7. What is the difference between a friend class and a friend function?

A friend class is a class that has access to the private and protected members of another class. A friend function is a function that has access to the private and protected members of a class.

8. What is the use of a friend function?

A friend function is used to access the private and protected members of a class from outside the class.

9. Can a friend function be overloaded?

Yes, a friend function can be overloaded.

10. What is the scope of a friend function?

The scope of a friend function is global, but it has access to the private and protected members of the class.