Assignment 1: CPE 303 Object Oriented Programming

Develop an employee management system using multiple inheritance and virtual inheritance in C++. You will create a class hierarchy for managing different types of employees, including full-time employees and part-time employees.

Requirements:

Create a base class **Employee** with the following attributes and methods:
- *Name*
- *Employee ID*
- *getInfo()* method to display employee details.

Create a derived class **FullTimeEmployee** that inherits from **Employee** and has the properties:
- *Salary*
- *getInfo()* method to display full-time employee details.

Create another derived class **PartTimeEmployee** that also inherits from **Employee** and has the properties:
- *Hourly wage*
- *Hours worked*
- *getInfo()* method to display part-time employee details.

Implement the **Employee** class and the derived classes with multiple inheritance:
- Use multiple inheritance to allow **FullTimeEmployee** and **PartTimeEmployee** to inherit from **Employee**.
- Use virtual inheritance to ensure there's only one instance of **Employee** in the inheritance hierarchy.

In the main function:
- Create objects of **FullTimeEmployee** and **PartTimeEmployee**.
- Display the details of both types of employees using the *getInfo()* method.

NB: Use your personal full name as either a Full time Employee or Part-Time Employee