

# 1 Polymorphism, Programming Challenges V

Implement an **Employee** class. The class should restrict construction to Employees with an identifier such as social security number. The class should represent Employee properties or features such as last name, first name, marital status, home address, home phone number, salary, office, office phone number, title(s), current projects and the like. The class interface should include methods to access and where appropriate to change Employee properties.

Derive classes **Manager**, **HourlyWorker** and **Consultant** from class Employee. Also derive class **Officer** from **Manager**. Each subclass should represent information that distinguishes it. For example, an **HourlyWorker** has an hourly wage and overtime rate, but **Officer** has neither of these.

Each of these classes should have polymorphic input and output methods to handle reading data into data members and printing data members to the standard output.

Implement a test client for the hierarchy.