## **Problem Sheet 3**

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- Q. 1 Create an employee class. The member data should comprise an int for storing the employee number and a float for storing the employee's compensation. Member functions should allow the user to enter this data and display it. Write a main() that allows the user to enter data for three employees and display it.
- **Q. 2** Create a class that includes a data member that holds a "serial number" for each object created from the class. That is, the first object created will be numbered 1, the second 2, and so on.

To do this, you'll need another data member that records a count of how many objects have been created so far. (This member should apply to the class as a whole; not to individual objects. What keyword specifies this?) Then, as each object is created, its constructor can examine this count member variable to determine the appropriate serial number for the new object.

Add a member function that permits an object to report its own serial number. Then write a main() program that creates three objects and queries each one about its serial number. They should respond I am object number 2, and so on.

Q. 3 Extend the employee class of to include a date class and an etype enum. An object of the date class should be used to hold the date of first employment; that is, the date when the employee was hired. The etype variable should hold the employee's type: laborer, secretary, manager, and so on. These two items will be private member data in the employee definition, just like the employee number and salary. You'll need to extend the getemploy() and putemploy() functions to obtain this new information from the user and display it. These functions will probably need switch statements to handle the etype variable. Write a main() program that allows the user to enter data for three employee variables and then displays this data.