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S5 Exercise 9.1

Class Hierarchy: University Faculty



The class Faculty maintains an array of objects that represent individual types of employees. The faultyList array is filled with polymorphic references. The class UniversityFaculty is abstract and servers as the ancestor of all the faculty classes. The method AssignCourses is established in the Faculty class and is inherited by all descendent classes, giving each class the ability to have their own definition of AssignCourses. This allows the objects of each faculty member class to call the method AssignCourses through polymorphism.