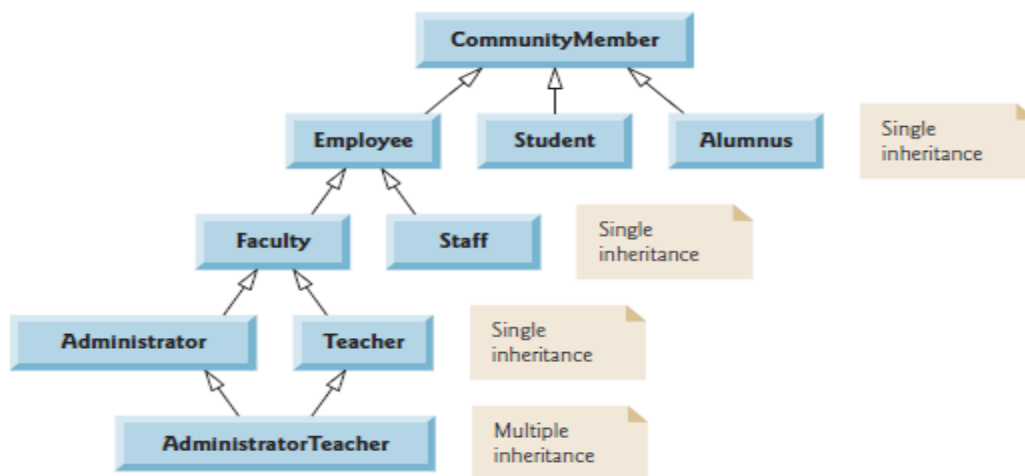**(Student Inheritance Hierarchy) (Activity -1)**

(2 marks activity)

 Draw an inheritance hierarchy for students at a university
similar to the hierarchy shown in Figure below :

Use Student as the base class of the hierarchy, then include classes Undergraduate_ Student   and Graduate_Student that derive from Student. Continue to
extend the hierarchy as deep (i.e., as many levels) as possible. For example, Freshman, Sophomore, Junior and Senior might derive from Undergraduate_Student, and Doctoral_Student and Masters_Student might derive from Graduate_Student. After drawing the hierarchy, discuss the relationships that exist between the classes.

 [*Note:* You do not need to write any code for this exercise.]