E24051815 施睿哲 LAB 6

1.

(1) true

(2) false, an is-a relationship is implemented via inheritance.

(3) false,student and faculty,course are not is-a relationship,and more like that

Faculty,course are data member of a student,

(4) true

(5) false,can’t be accessed in the derived class definition

2.

Discuss:

Student is indirect base class of doctoralstudent,masterstudent,freshman,sophomore,junior,and senior;

and student is also base class of graduatestudent and undergraduatestudent.

Graduatestudent is base class of doctoralstudent,masterstudent.

Undergraduatestudent is base class of ,freshman,sophomore,junior,and senior.

Sophomore

Freshman

MasterStudent

DoctoralStudent

student

Senior

Junior

undergraduatestudent

graduatestudent