1. Which of the following lines are legal and which are illegal? The class Undergraduate is a derived class of Student, and Student is a derived class of Person.
   1. Person p1 = new Student(); legal
   2. Person p2 = new Undergraduate(); legal
   3. Student s1 = new Person();illegal
   4. Student s2 = new Undergraduate();legal
   5. Undergraduate ug1 = new Person();illegal
   6. Undergraduate ug2 = new Student();illegal
   7. Object ob = new Student();legal
   8. Student s3 = new Object(); illegal