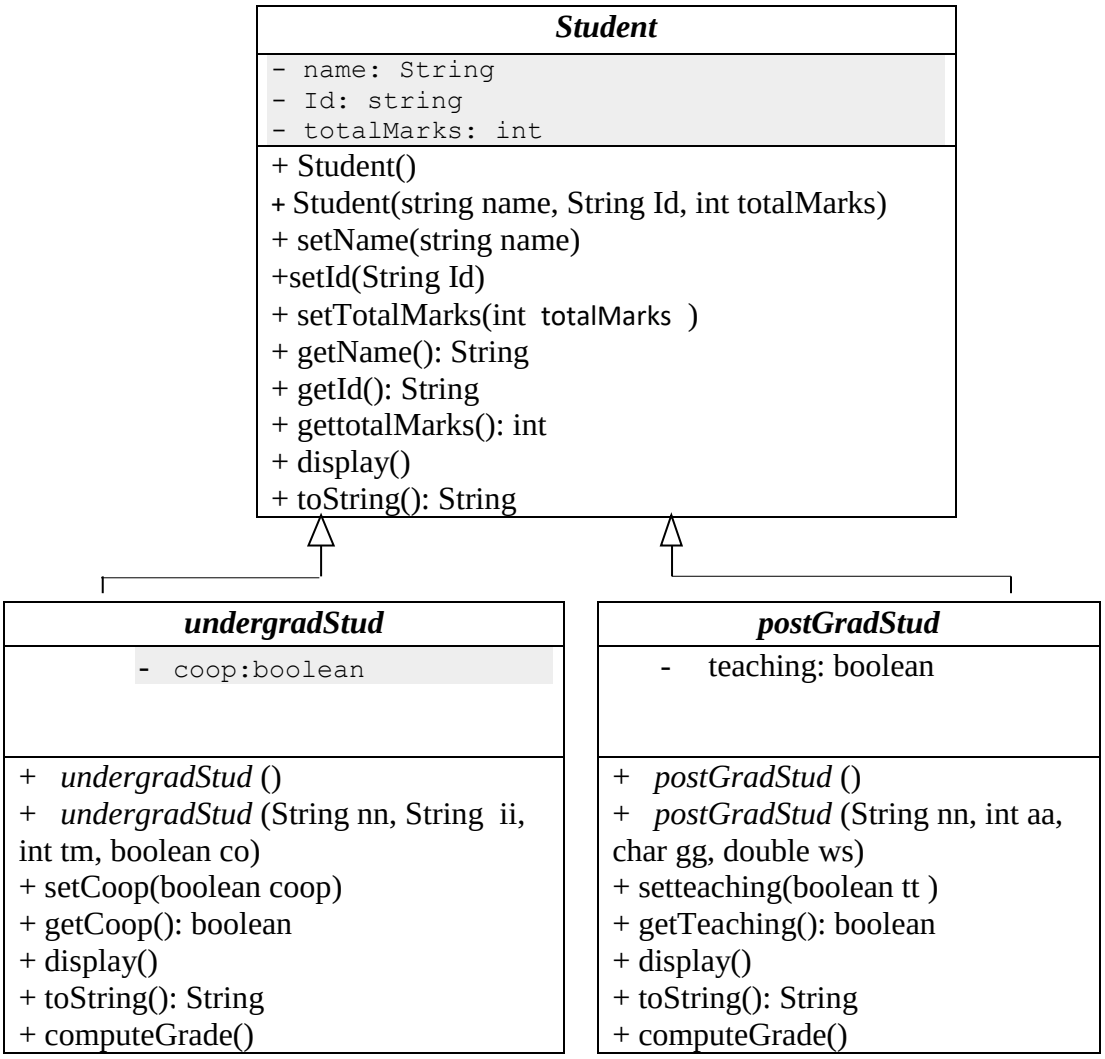
جامعة اليمامة
Al Yamamah University

COLLEGE OF ENGINEERING AND ARCHITECTURE
ACADEMIC YEAR 2022-2023
FALL SEMESTER

COURSE : CIS 104

Lab 8
POLYMORPHISM

Consider the above UML and read the following description.



1. Write in Java the classes: *Student*, *undergradStud* and *postGradStud*.
2. Write a main method to test your methods.
   2.1 Create an array of size 4 of type Student.
   2.2 Add to the array 3 objects of type ***undergradStud*** and an object of type ***postGradStud***
   2.3 Compute grade for all the students and count the number of objects of type ***undergradStud*** using the operator ***instanceof***.

Method *ComputeGrade*(): for undergradraduate student: if totalMarks >=60 Pass
for postgraduate student: if totalMarks >=70 Pass otherwise fail