lab6

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1.

(1) True. The reason of that is the name being changed.

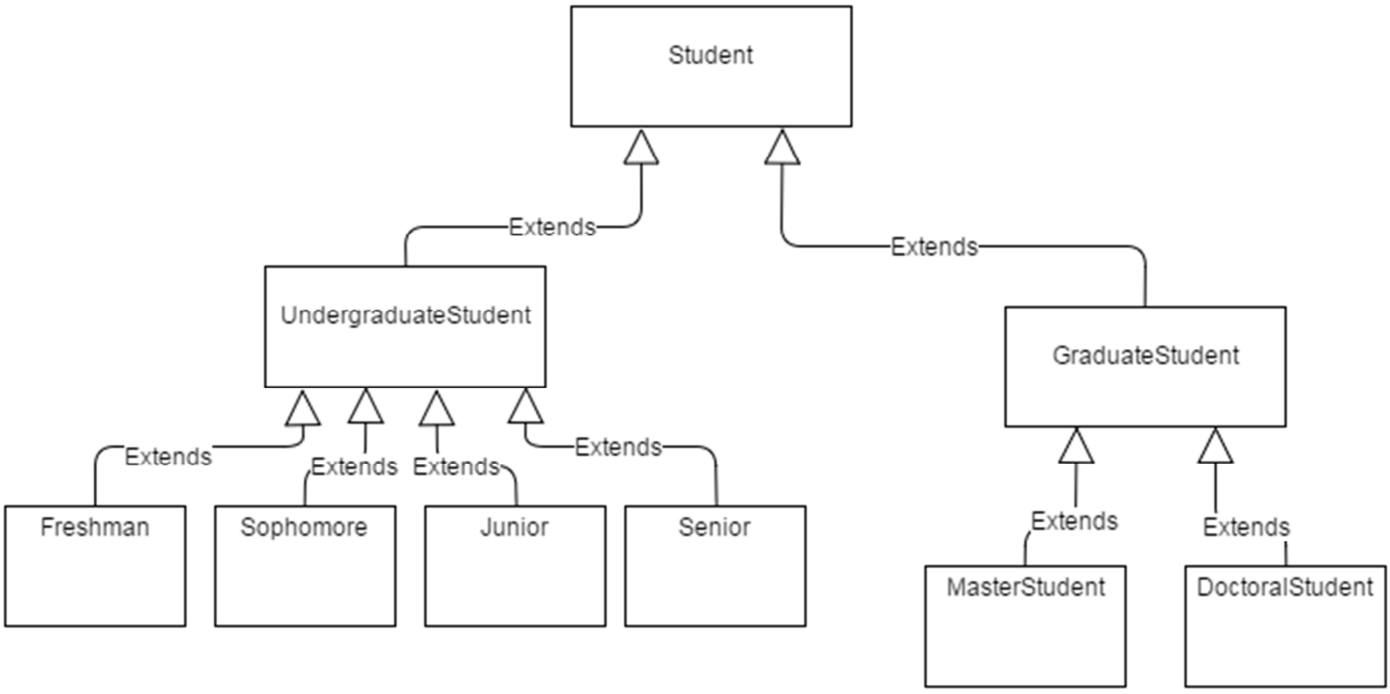
(2) False. An *is-a* relationship is implemented via inheritance, because of definition.

(3) False. A **`Student`** class has an *has-a* relationship with the **`Faculty`** and **`Course`** classes. Because **`Student`** is not a kind of **`Faculty`** or **`Course`** but a human.

(4) True. Private members are always inaccessible to the derived class no matter what relationship between them.

(5) False. A base class's protected members can be accessed in the base-class definition, in derived-class definitions and in friends of the base class. Not include its friend's derived classes, because my friend's child is not my friend. Therefore them cannot access my protected members.

2.



From this photo, we can observe:

UndergraduateStudent and GraduateStudent *is-a* Student

Freshman, Sophomore, Junior, and Senior *is-a* UndergraduateStudent

MasterStudent and DoctoralStudent *is-a* GraduateStudent