

計算機概論(二) 作業六

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第一題

(1) 正確

(2) 錯誤

【更正】 The **is-a** relationship implemented via **inheritance**.

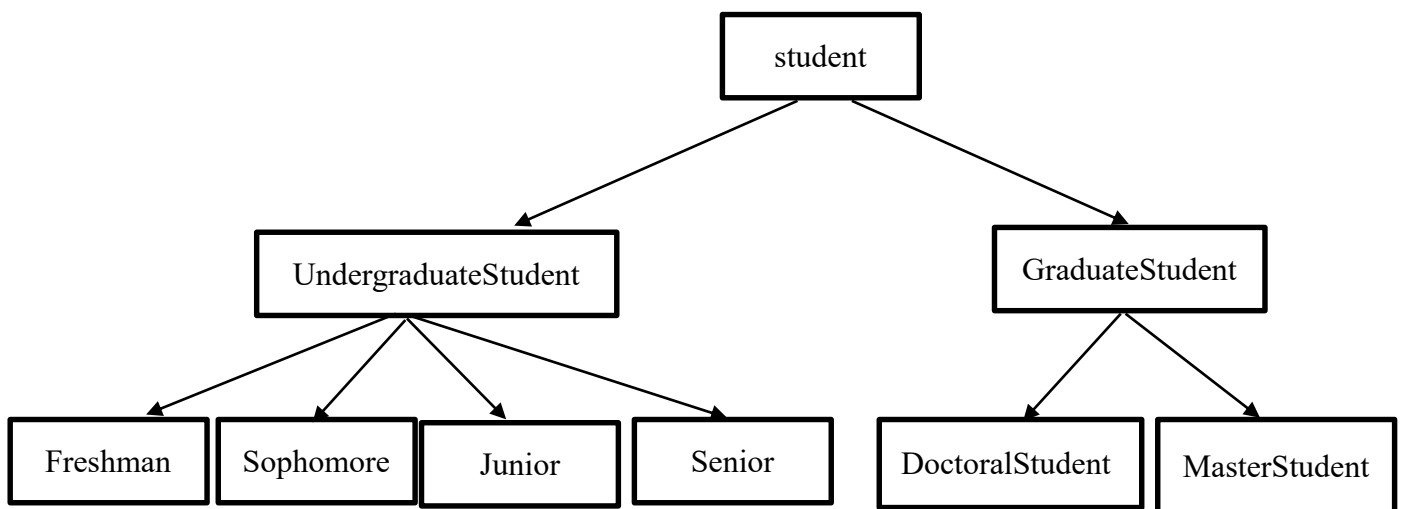
(3) 錯誤

【更正】 A Student class has an **has-a** relationship with the Faculty and Course classes.

(4) 正確

(5) 正確

第二題



(1) **UndergraduateStudent** and **GraduateStudent** derive from **Student**.

(2) **Freshman**, **Sophomore**, **Junior**, and **Senior** derive from **UndergraduateStudent**.

(3) **DoctoralStudent** and **MasterStudent** derive from **GraduateStudent**.

(4) **UndergraduateStudent** is direct base class of **Freshman**, **Sophomore**, **Junior**, and **Senior**.

(5) **GraduateStudent** is direct base class of **DoctoralStudent** and **MasterStudent**.

(6) **Student** is indirect base class of **Freshman**, **Sophomore**, **Junior**, **Senior**, **DoctoralStudent** and **MasterStudent**.