



CS112: Programming II

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Coursework01 **Due Mon 31st Jan 08:00 AM**

Instructions

1. You must submit your solution using Blackboard. **Email submissions will not be accepted.** Blackboard can be accessed from the University's website using the following address :
<https://lms.taibahu.edu.sa>
2. You can discuss answers with your colleagues, but **cheating is prohibited and there will be extreme consequences.**

Problem 1

Design a class called **Student** that represents relevant information about a student, including the student's id, first name, last name, gpa, and email. The class should have a constructor and methods to set and get data fields defined above. Draw the class diagram using UML and then write the class definition using Java language?

Problem 2

A market wants to create a database regarding its products. The information to store include category of the product, id, and price.

Create a class called **Product** that has fields for product's category, id, and price. The class should have a constructor and methods to set and get data fields defined above?