**ICS 108 – Object-Oriented Programming**

**Lab # 8 – Inheritance**

**Objectives:**

In this lab, the following topic will be covered:

1. Inheritance

**Task**

Create a class called **Question** that contains one private field for the question's **text**. Provide a single argument constructor. Override the toString() method to return the **text**.

Create a subclass of **Question** called **MCQuestion** that contains additional fields **choices** and **answer**. Provide a suitable constructor. Override the toString() method to return all data fields (use the toString() method of the **Question** class).

Write a test program that creates a **MCQuestion** object with values of your choice. Print the object using the toString method.

Here is a sample run of the program:

Question:

Variables that are shared by every instance of a class are:

a. public variables

b. private variables

c. instance variables

d. class variables

answer: d