

## Assignment

**Assignment-Case Problem**

The following is a group assignment (two students max). You may refer to/research from online resources, books etc.

**Assignment - Case Problems Chapter 4**

1. a. Create a class to hold `Event` data for Yummy Catering. The class contains the following:
  - Two `public final static` fields that hold the price per guest (\$35) and the cutoff value for a large event (50 guests).
  - Three `private` fields that hold an event number, number of guests for the event, and the price. The event number is stored as a `String` because the company plans to assign event numbers such as *M312*.
  - Two `public set` methods that set the event number (`setEventNumber()`) and the number of guests (`setGuests()`). The price does not have a `set` method because the `setGuests()` method will calculate the price as the number of guests multiplied by the price per guest every time the number of guests is set.
  - Three `public get` methods that return the values in the three nonstatic fields.
  - A constructor that accepts an event number and number of guests as parameters. Pass these values to the `setEventNumber()` and `setGuests()` methods, respectively. The `setGuests()` method will automatically calculate the event price.
  - Another constructor that is a default constructor that passes *A000* and *0* to the two-parameter constructor.

Save the file as **Event.java**.

- b. Create an application that declares two `Event` objects.
  - One `Event` object uses the default constructor.
  - The other `Event` object is constructed from values input by a user.

Display the details of each object by passing them, in turn, to a method named `displayDetails()`. Save the file as **EventDemo.java**.

**Deadline: 1 Oct till 11:59 PM**

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