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“Solution for Pre\_Lap 3 ”

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Q1:

1. **True** , Abstract classes can be utilized similarly to nonabstract classes, but instances cannot be directly created using the `new` operator for the abstract class.

2. **True** , Abstract classes are designed to be extended, providing a foundation for concrete subclasses to inherit and build upon.

3. **False**, A subclass of a nonabstract superclass can indeed be abstract, allowing further refinement in subsequent subclasses.

4. **True**, In general object-oriented programming, a subclass cannot override a concrete method in a superclass and declare it as abstract.

5. **True**, Abstract methods, by their nature, must be nonstatic, as they are intended to be implemented by subclasses rather than belonging to a specific instance or class.

Q2:

Yes, you can create a `Calendar` object using the `Calendar` class in Java by calling the `getInstance()` method, which returns a `Calendar` instance initialized with the current date and time based on the default time zone and locale.

Q3:

One abstract method in the `Calendar` class is `add(int field, int amount)`. This method is declared abstract and needs to be implemented by concrete subclasses, such as `GregorianCalendar`, to provide specific functionality for adding or subtracting a specified amount of time to/from a given calendar field.

1. Q4:  
   **Year:**
   * **int year = c.get(Calendar.YEAR);**
2. **Month:**
   * **int month = c.get(Calendar.MONTH);**
   * Note: Months are zero-based, so January is represented as 0, February as 1, and so on.
3. **Date:**
   * **int date = c.get(Calendar.DATE);**
4. **Hour:**
   * **int hour = c.get(Calendar.HOUR\_OF\_DAY);**
   * Note: **HOUR\_OF\_DAY** is used for a 24-hour clock, while **HOUR** is used for a 12-hour clock.
5. **Minute:**
   * **int minute = c.get(Calendar.MINUTE);**
6. **Second:**
   * **int second = c.get(Calendar.SECOND);**

These methods retrieve the respective components from the **Calendar** object **c**. Keep in mind that months are zero-based, and for the hour, **HOUR\_OF\_DAY** is commonly used for a 24-hour clock.