Day14: Assignment Questions

1. **Understanding OOP Concepts:**
   a) Define Object-Oriented Programming (OOP) and explain how it differs from procedural programming.

2. **Comparison of Procedural vs. OOP Approach:**
   a) Convert the given procedural approach for storing employee details into an OOP-based approach using classes and objects.
   b) Explain the benefits of the OOP approach in this scenario.
   c) Implement the __str__() method in your class to return a meaningful string representation of the employee object.

3. **Class & Static Methods, Access Modifiers:**
   a) Differentiate between instance variables, class variables, and static variables with examples.
   b) Implement a Python class BankAccount with a private attribute __balance and methods to deposit, withdraw, and check balance. Ensure balance updates only through methods.
   c) Demonstrate the use of a @classmethod and @staticmethod in a class of your choice.