1. **Benefits of Context Managers:**
   * Avoid memory leaks by ensuring proper resource cleanup.
   * Factor out common resource management patterns.
   * Customize resource handling for your specific needs.
2. An **iterator** is an object that implements the methods \_\_iter\_\_() and \_\_next\_\_(). It allows you to iterate over a sequence of values one at a time.
3. A **generator**, on the other hand, is a special type of iterator that is defined using a function or a class. It uses the yield keyword to produce values on-the-fly without loading the entire sequence into memory.

 generators are memory-efficient because they don’t store the entire sequence in memory. They generate values on-the-fly, making them ideal for large datasets or infinite sequences.