What do the Java Collection Framework iterators provide for you?

The *Iterator* pattern provides controlled access to a collection without exposing internals.

**Given**
- An aggregate collection of objects

**Desired**
- Access all elements in the collection
- Do not expose internal structure
- Access is independent of the collection
- Multiple accesses can be done independent of each other
- Collection can be maintained independent of the access

**Solution**
- Iterator object controls access