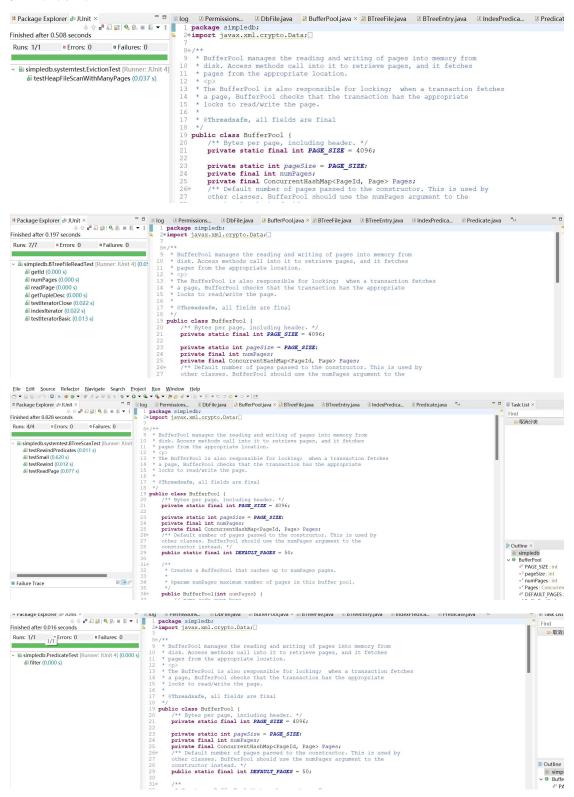
代码修改文件在 acmdb-lab2/acmdb-lab0 中。

实验结果如下:



```
eclipse-workspace - simpledb/src/java/simpledb/BufferPool.java - Eclipse IDE
Sections-workspace - simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletifyst/g/way/simpletify
     Runs: 5/5 Errors: 0 Failures: 0
  | Surfice | Surf
                                                                                                                                                                                                                                           private static int pageSize = PAGE_SIZE;
private final int numPages;
private final ConcurrentHashMaycPageId, Page> Pages;
/** Default number of pages passed to the constructor. This is used by
other classes. BufferPool should use the numPages argument to the
                                                                                                                                                                                                                                           public static final int DEFAULT_PAGES = 50;
  eclipse-workspace - simpledb/src/java/simpledb/BufferPool.java - Eclipse IDE
Runs: 3/3 • Errors: 0 • Failures: 0

    a testSplitInternalPages (0.096 s)
    testSplitLeafPages (0.019 s)
    testReusePage (0.006 s)
                                                                                                                                                                                                                        * cp>
The BufferPool is also responsible for locking; when a transaction fetches
a page, BufferPool checks that the transaction has the appropriate
locks to read/write the page.
                                                                                                                                                                                                                        * @Threadsafe, all fields are final
                                                                                                                                                                                                   18 */
19 public class BufferPool {
20  /** Bytes per page, including header. */
21  private static final int PAGE_SIZE = 4096;
                                                                                                                                                                                                                                private static int psgeSize = PAGE_SIZE;
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other classes. BufferPool should use the numPages argument to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ₽ Ou
                                                                                                                                                                                                                                   public static final int DEFAULT PAGES = 50;
Runs: 6/6 Errors: 0 Failures: 0
                                                                                                                                                                                                                            * BufferPool manages the reading and writing of pages into memory from * disk. Access methods call into it to retrieve pages, and it fetches * pages from the appropriate location. * \langle n \rangle

→ i simpledb.systemtest.BTreeFileDeleteTest [Runner:
                    isimpleob.systemtest.Bireer-liebeletet ets IIIs 
dit testMergetealPages (0.000 s) 
dit testDeleteRootPage (0.000 s) 
dit testRedistributeLeaPPages (0.000 s) 
dit testRedistributeInternalPages (1.577 s) 
dit testReuseDeletedPages (0.033 s) 
dit testDeleteInternalPages (0.314 s)
                                                                                                                                                                                                                               | */
| public class BufferPool {
| /** Bytes per page, including header. */
| private static final int PAGE_SIZE = 4096;
                                                                                                                                                                                                                                            private static int pageSize = PAGE_SIZE;
private final int numPages;
private final ConcurrentHashMapcFageId, Page> Pages;
/** Default number of pages passed to the constructor. This is used by other classes. BufferPool should use the numPages argument to the
                                                                                                                                                                                                                                            public static final int DEFAULT_PAGES = 50;
                                                                                                                                                                                                                                                       * Creates a BufferPool that caches up to numPages pages.
                                                                                                                                                                                                                                                      * @param numPages maximum number of pages in this buffer pool.
     ■ Failure Trace
                                                                                                                                                                                                                                            public BufferPool(int numPages) {
    // some code goes here
    this.numPages=numPages;
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| Entire thin the property of 
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**BufferPool manages the reading and writing of pages into memory from

* disk. Access methods call into it to retrieve pages, and it fetches

* pages from the appropriate location.

**CPP

**BufferPool to also responsible for locking/ when a transaction fetches

* a page, BufferPool checks that the transaction has the appropriate

* locks to read/write the page.
                                                                                                                                                                                                                           private static int pageSize - PAGE_SIZE:
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    Outline

                                                                                                                                                                                                                            public static final int DEFAULT PAGES = 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   F PAC
                                                                                                                                                                                                                                       Creates a BufferPool that caches up to numPages pages.
                                                                                                                                                                                                                                   * @param numPages maximum number of pages in this buffer pool.
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```