

The test input first creates a heap file of a single page with 500 byte size per page.

Then inserts six records:

1001: Page 1

1002: Page 1

1003: Page 2

1004: Page 1

1005: Page 3

1006: Page 2

Then it deletes two records: 1002 and 1003.

Then it adds record 1007 to Page 1 and 1008 to Page 2.

The structure of your file after these operations should be as follows:

Total pages: 3

Page 1:

Record 1001: Start 1, size 200

Record 1007: Start 201, size 50

Record 1004: Start 301, size 90

Page 2:

Record 1008: Start 1, size 280

Record 1006: Start 301, size 110

Page 3:

Record 1005: Start 1, size 350

Then you have to defragment the whole file.

After defragmentation, the structure of the file should be as follows

Total pages: 3

Page 1:

Record 1007: Start 1, size 50

Record 1004: Start 51, size 90

Record 1001: Start 141, size 200

Page 2:

Record 1006: Start 1, size 110

Record 1008: Start 111, size 280

Page 3:

Record 1005: Start 1, size 350

You have display file structure twice in this test. Five points per display. You will get full points for a structure display, only if you show exactly the same structure. You might have used custom method to display the structure.