**Design**

A new class HeapFileIterator is added, which implements DbFileIterator. This is to comply the API provided in HeapFile iterator method, which needs to return an instance of DbFileIterator.

**Adjustments and Modifications**

For constructors of TupleDesc, I add “throws IllegalArgumentExcpetion”.

A new method, getAllTuples, was added into HeapPage class, which I think is more efficient than using iterator under that situation.

**Missing or incomplete codes**

No. All tests provided are passed.

**Time and difficulties**

My spend on this project is more than 30 hours. The most confusing part is HeapFile readPage and iterator methods. At the beginning, I even didn’t know what I was suppose to do by the information of document.