**Programming Assignment No.1**

**Part1:**

In Tuple class we implemented toString method.By the end, we returned the contents of Tuple as String.

In TupleDesc class we implemented getType(),getSize() and toString() methods.

getType(): if the value of the variable lies between 0 and (types.length-1), it returns the type of the ith field. And if the value is beyond then throw exception.

getSize(): implimenting this method, simply a loop is taken from 0 to types.length and size of ith type is retuned.

toString(): desired form is returned

**Part2:**

Implemented 3 methods getTableId(String),getTupleDesc(int),getDbFile(int) and they used name2tableID, tableID2desc, tableID2dbFile member variables respectively.

**Part3:**

Implemented the getPage(TransactionIdtid, PageIdpid, Permissions perm) method of BufferPool class.

**Part4:**

Following methods getNumTuples(),getHeaderSize(),iterator() from HeapPage class are implemented.

**Part5:**