## CSCI 3327 Visual Basic (Fall 2011) Assignment #10

Instructor: Dr. Xiang Lian Due Date: See the course website

**Objective:** File handling and indexing

Write a program to create a random access file. Create and index with a key field and implement lookup using binary search on the index. The program should allow random retrieval of records, and modification of records.

🖳 fileRandom	a many indiana	Table . Minister	
File Exit Program			
File Modify Add	Scan Search		
Not Connected	to Database!		
mydb.mdf			
	File Name		
		Open File	

Open File:

File Exit Prog			
File Modify	Add Scan Searc	h]	
Connect	ed Total 11 Records	Found.	
mydb.m	f		
	File Name		
		Open	File

Get the 4th record, under Modify tab

<ul> <li>FileRandom</li> <li>File Exit Program</li> <li>File Modify Add</li> </ul>	d   Scan   Search		- 0 <b>X</b>
Rec Nur	nber 4	Get	
10203035 Social Security #	Cantu, Jose B Name	444444444 Tele:	Save

FileRandom		_	
File Modify Add Scar	Search		
Social Security #		12	Next Rec. No
Name		Save	]
Tele:			

Add Tab (adds to the end of the file, here the 12th record)

Scan tab (sequential access of file)

🖳 fi	leRandom	Are being	Task West	
File				
File	Modify Add	Scan Search		
	1	Record No.	F	Record 1 of 11
	462966741	Abraham, John P.		9566872932
	Soc Sec	Name		Tele
Previous Physical Record Next Physical Record			sical Record	

Search with linear search:

🖳 fileRandom	per new Delay Talk	Made, Con	
File Exit Program			
File Modify Ad	ld Scan Search		
Abraham Name	Linear Search Searh F		
1	Abraham, John P.	462966741	9566872932
Rec	Name	SSN	Tele
	Create Index SSN	E	Binary Search

Create Index with SS#

Index Message	x
Index Created. Press OK to sort	ć.
ОК	

Sort	x
Index	Sorted.
	ОК

Binary Look up based on SS#

🖳 fileRandom	out has being b	and Minister Con-	
File Exit Program			
File Modify Ad	d Scan Search		
	Linear Search		
Name			
	Sear	h Result:	
3	Madera, Eric	102130320	333333333
Rec	Name	SSN	Tele
	Create Index 102	130320	Binary Search
	SSN		binary Search

Please submit:

- 1. Program listing; and
- 2. The screen captures.
- Your program should begin with a comment section that would include the following:

PROGRAMMERS NAME:		
STUDENT ID:		
CLASS:	ASSIGNMENT #:	
DATE DUE:	DATE TURNED IN:	

• <u>Note</u>: Please send the files you created to <u>Blackboard</u>.