Quiz 5 – 2%

- Employee Table

CREATE TABLE Employee

fname	VARCHAR2(15)	NOT NULL
,minit	CHAR	
,Iname	VARCHAR2(15)	NOT NULL
,ssn	CHAR(9)	
,bdate	DATE	
,address	VARCHAR2(50)	
,sex	CHAR	
,salary	NUMBER(10,2)	NOT NULL
,Superssn	CHAR(9)	
, dno	NUMBER(3)	NOT NULL
,CONSTRAINT	employee_ssn_pk	PRIMARY KEY(ssn)
);		



- VARCHAR2(n) takes n bytes
- DATE takes 7 bytes
- NUMBER(n,m) takes n bytes
- Number(n) takes n bytes
- CHAR(n) takes n bytes
- Block address (pointer) takes 6 bytes
- Block overhead 0 bytes
- A disk block size is 1024 bytes
- Don't split a record between two blocks.



- If the EMPLOYEE table has 100,000 rows (employees) and its is built using B+ tree, then
 - Approximately how many kilobytes is the EMPLOYEE table? Show your work.
 - What is the level of the B+ tree.
 - How many disk accesses will the following select statement need.

SELECT * FROM employee WHERE ssn = '123456789';

If a secondary index on the Iname colum was created, what will be the size of this index?