

Assignment Guidelines:

Create a B+ Tree or Extendible Hash Index data structure with your favorite programming language. Your index structure must support all the MySQL data types.

Provide unit tests to prove that your program works for all the mysql data types.

The user should input the order of the tree (B+ tree) or the global level of the hash (Extendible hashes) , and the data to be inserted. Then your index structure should implement the follow operations:

INSERT[x]: where x represents the data item(s) to be inserted

UPDATE[x, y]: where x represents the old value, and y the new value

DELETE[x]: where x represents the value to be deleted

SHOW: draw the status of the index structure in screen.

Note that after every operation, you should show the updated status of your index structure on screen.

Submission Guidelines:

Create your program in an online editor and share the link to your program here

If we click on your submission link and the link is broken or it doesn't work, no credit will be awarded for this assignment.

In order to get credit for this assignment, your program must work as per specifications

Late work is not accepted in this assignment. The submission link will be closed by the deadline of this assignment.