

# DBMS Lab Evaluation 2

Pavithra Rajan

B190632CS

---

## Screenshots

Insertions of 10 records

```
pavithra@pavithra-VirtualBox:~/Desktop$ g++ btree.cpp -o test
pavithra@pavithra-VirtualBox:~/Desktop$ ./test
Enter the order of the tree: 4
Number of keys to be entered: 10
Enter the keys: 190632 190456 190321 190768 190234 190664 190897 190334 190539 190656
MENU
i:INSERT
d:DELETE
s:SEARCH
p:PRINT
e:EXIT
Enter your option: p
190234 190321 190334 190456 190539 190632 190656 190664 190768 190897
Enter your option: d
Enter roll number to be removed: 190768
Enter your option: p
190234 190321 190334 190456 190539 190632 190656 190664 190897
Enter your option: d
Enter roll number to be removed: 190334
Enter your option: p
190234 190321 190456 190539 190632 190656 190664 190897
Enter your option: s
Enter roll number to be searched: 190632
TRUE
Enter your option: s
Enter roll number to be searched: 190890
FALSE
Enter your option: e
```

---

---

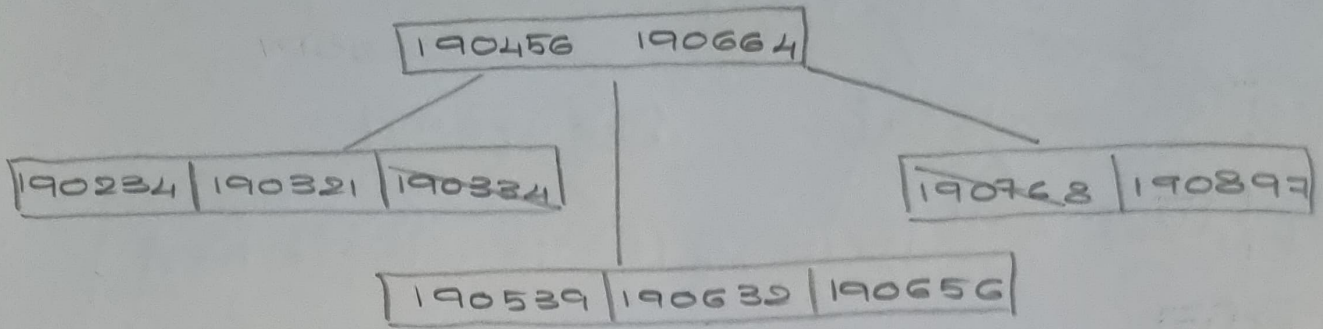
## Insertions of 15 records

```
pavithra@pavithra-VirtualBox:~/Desktop$ ./test
Enter the order of the tree: 4
Number of keys to be entered: 15
Enter the keys: 190123 190231 190007 191001 190005 190632 190456 190321 190768 190234 190664 190897 190334 190539 190656
MENU
i:INSERT
d:DELETE
s:SEARCH
p:PRINT
e:EXIT
Enter your option: p
190005 190007 190123 190231 190234 190321 190334 190456 190539 190632 190656 190664 190768 190897 191001
Enter your option: d
Enter roll number to be removed: 190123
Enter your option: p
190005 190007 190231 190234 190321 190334 190456 190539 190632 190656 190664 190768 190897 191001
Enter your option: d
Enter roll number to be removed: 190007
Enter your option: p
190005 190231 190234 190321 190334 190456 190539 190632 190656 190664 190768 190897 191001
Enter your option: s
Enter roll number to be searched: 190231
TRUE
Enter your option: s
Enter roll number to be searched: 190001
FALSE
Enter your option: e
```

## Insert 20 records

```
pavithra@pavithra-VirtualBox:~/Desktop$ ./test
Enter the order of the tree: 4
Number of keys to be entered: 20
Enter the keys: 190010 190100 190180 190123 190231 190007 191001 190005 190632 190456 190321 190768 190234 190664 190897 190334 190539 190656 190009 191034
MENU
i:INSERT
d:DELETE
s:SEARCH
p:PRINT
e:EXIT
Enter your option: p
190005 190007 190009 190010 190100 190123 190180 190231 190234 190321 190334 190456 190539 190632 190656 190664 190768 190897 191001 191034
Enter your option: d
Enter roll number to be removed: 190009
Enter your option: p
190005 190007 190010 190100 190123 190180 190231 190234 190321 190334 190456 190539 190632 190656 190664 190768 190897 191001 191034
Enter your option: d
Enter roll number to be removed: 190656
Enter your option: p
190005 190007 190010 190100 190123 190180 190231 190234 190321 190334 190456 190539 190632 190664 190768 190897 191001 191034
Enter your option: s
Enter roll number to be searched: 191035
FALSE
Enter your option: s
Enter roll number to be searched: 191034
TRUE
Enter your option: e
pavithra@pavithra-VirtualBox:~/Desktop$
```

①

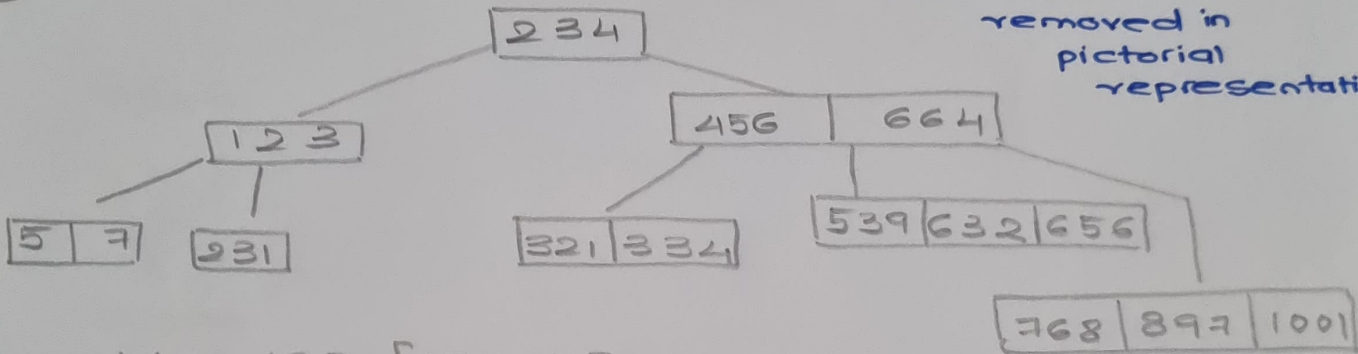


190234 and 190768 deleted

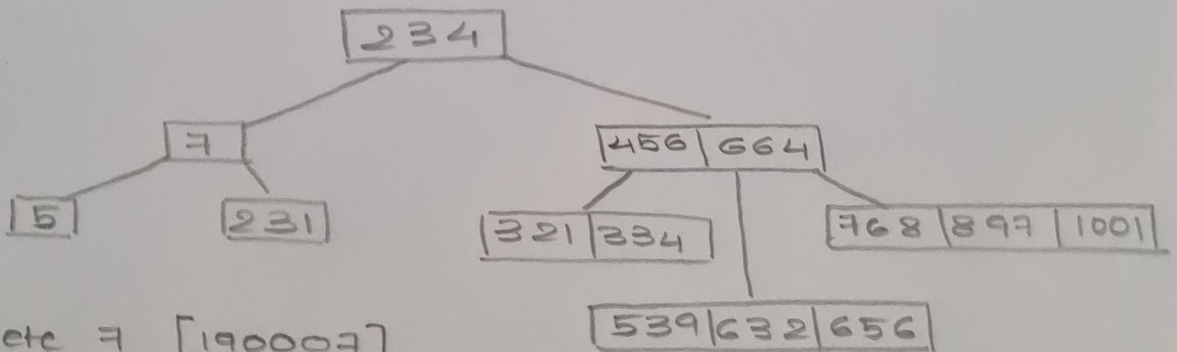
$m=4$

②

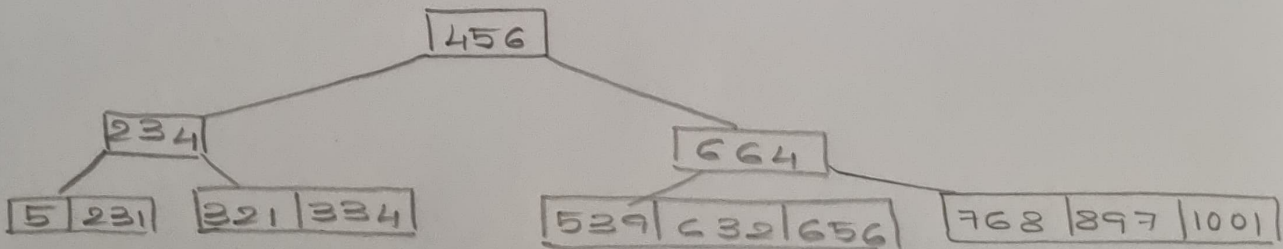
Due to lack of space  
190 has been  
removed in  
pictorial  
representati



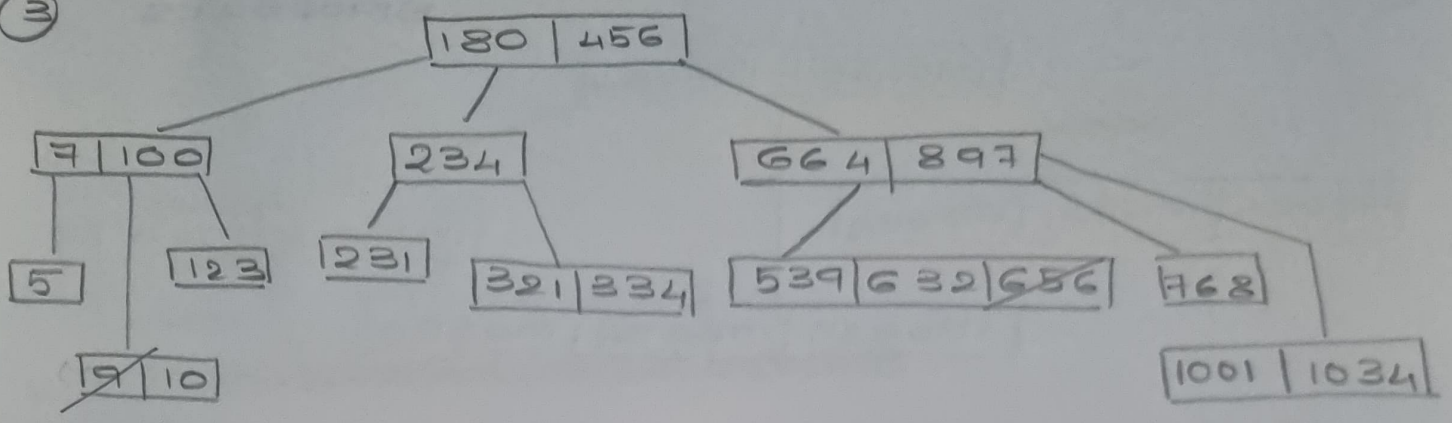
delete 123 [190123]



delete 7 [190007]



3



Delete 190009, 190656