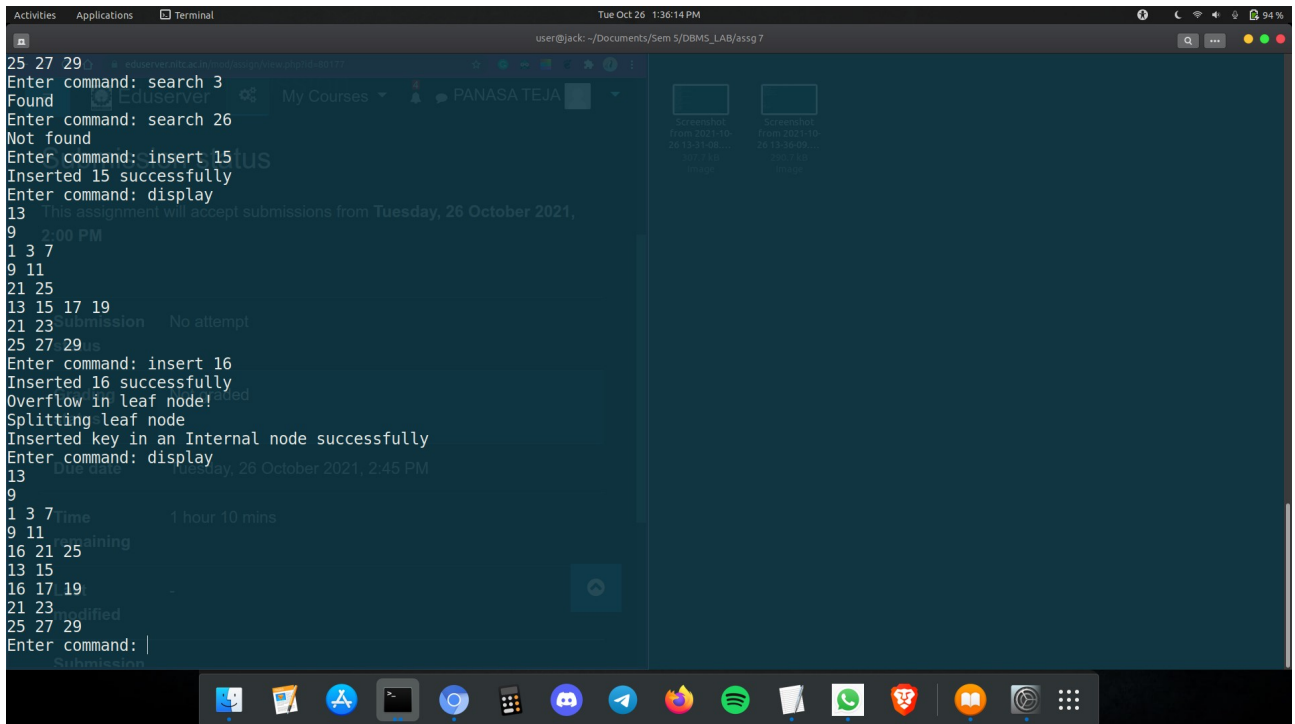
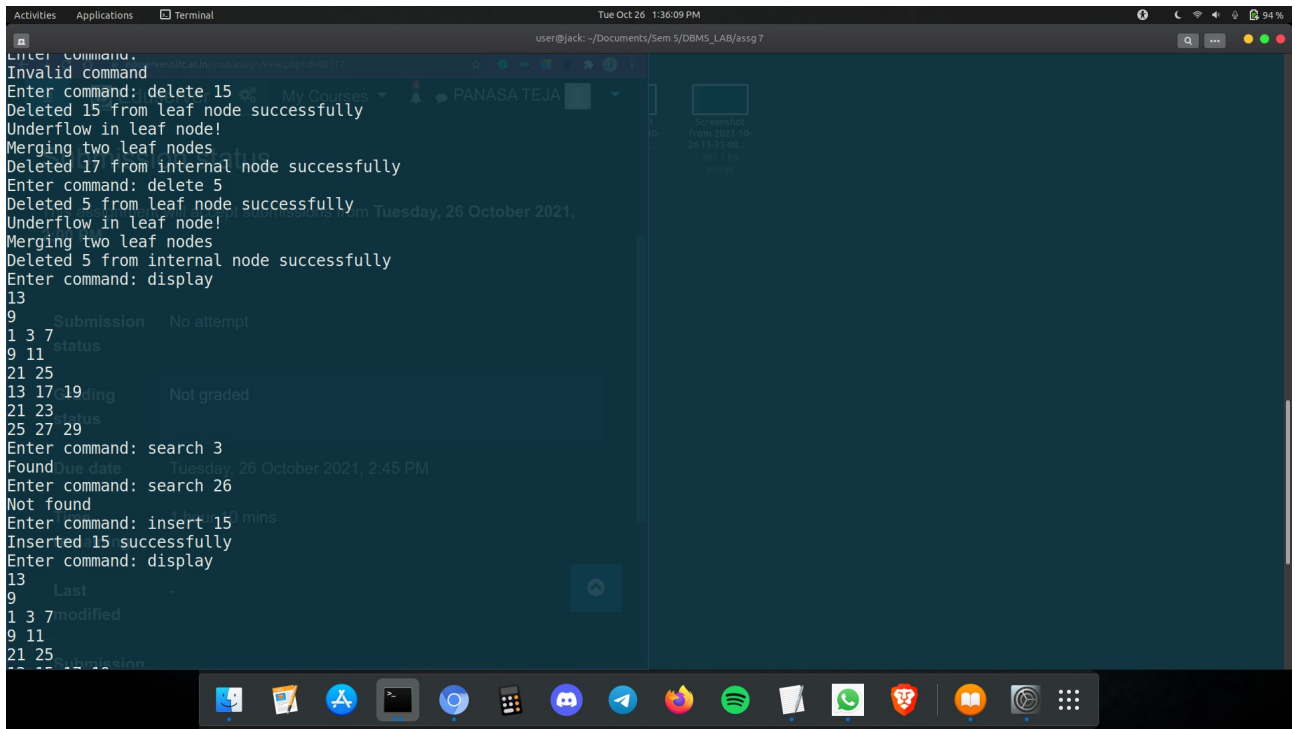


```
Activities Applications Terminal Tue Oct 26 1:31:01 PM
user@jack: ~/Documents/Sem 5/DBMS_LAB/assg 7
user@jack:~/Documents/Sem 5/DBMS_LAB/assg 7$ g++ b+.cpp -o 1
user@jack:~/Documents/Sem 5/DBMS_LAB/assg 7$ ./1
Enter the max degree
4
Commands:
search <value> to search
insert <value> to insert
delete <value> to delete
display to display
save to save log
exit to exit
Enter command: insert 1
Created root
Inserted 1 successfully
Enter command: insert 3
Inserted 3 successfully
Enter command: insert 5
Inserted 5 successfully
Enter command: insert 7
Inserted 7 successfully
Enter command: insert 9
Inserted 9 successfully
Overflow in leaf node!
Splitting leaf node
Created new root
Enter command: insert 11
Inserted 11 successfully
Enter command: insert 13
Inserted 13 successfully
Overflow in leaf node!
Splitting leaf node
Inserted key in an Internal node successfully
Enter command: insert 15
```

```
Activities Applications Terminal Tue Oct 26 1:31:06 PM
user@jack: ~/Documents/Sem 5/DBMS_LAB/assg 7
Enter command: insert 15
Inserted 15 successfully
Enter command: insert 17
Inserted 17 successfully
Overflow in leaf node!
Splitting leaf node
Inserted key in an Internal node successfully
Enter command: insert 19
Inserted 19 successfully
Enter command: insert 21
Inserted 21 successfully
Overflow in leaf node!
Splitting leaf node
Inserted key in an Internal node successfully
Enter command: insert 23
Inserted 23 successfully
Enter command: insert 25
Inserted 25 successfully
Overflow in leaf node!
Splitting leaf node
Inserted key in an Internal node successfully
Overflow in internal node!
Splitting internal node
Created new root
Enter command: insert 27
Inserted 27 successfully
Enter command: insert 29
Inserted 29 successfully
Overflow in leaf node!
Splitting leaf node
Inserted key in an Internal node successfully
Enter command:
```



```
Activities Applications Terminal Tue Oct 26 2:06:34 PM user@jack: ~/Documents/Sem 5/DBMS_LAB/assg 7
Overflow in leaf node!
Splitting leaf node
Inserted key in an Internal node successfully
Enter command: display
13
9
1 3 7
9 11
16 21 25
13 15
16 17 19
21 23
25 27 29
Enter command: search 100
Not found
Enter command: delete 100
Not found
Enter command: delete 9
Deleted 9 from leaf node successfully
Underflow in leaf node!
Transferred 7 from left sibling of leaf node
Enter command: display
13
7
1 3
7 11
16 21 25
13 15
16 17 19
21 23
25 27 29
Enter command:
```