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**TITLE : DICTIONARY
IMPLEMENTATION USING
TREE DATA STRUCTURE.**

1)Motivation : To understand
the real-world application of

Tree data structure (and specifically binary tree structure).

2)Data Structure used : binary search tree (BST).

3)Approach/Methodology :
Dictionary implementation involves adding new words into our dictionary, searching for specific words, deleting the word from dictionary and displaying all the words along

with their meanings present in our dictionary (in alphabetical order).

4) **Conclusion** : Dictionary implementation has been learnt using data structures knowledge.

5) **Reference** : Google

OUTPUT

Enter 1. to insert a word in dictionary

Enter 2. to display all words in dictionary in Ascending order

Enter 3. to display all words in dictionary in Descending order

Enter 4. to search a word in dictionary

Enter 5. to delete a word from dictionary

Enter 6. to exit

Enter your choice!

1

How many Word(s) you want
to insert ?:

3

Enter Word: apple

Enter Meaning: fruit

Enter Word: computer

Enter Meaning: machine

Enter Word: bread

Enter Meaning: eatery

Enter 1. to insert a word
in dictionary

Enter 2. to display all
words in dictionary in
Ascending order

Enter 3. to display all
words in dictionary in
Descending order

Enter 4. to search a word
in dictionary

Enter 5. to delete a word
from dictionary

Enter 6. to exit

Enter your choice!

2

Words in dictionary in
Ascending order

apple : fruit

bread : eatery

computer : machine

Enter 1. to insert a word
in dictionary

Enter 2. to display all
words in dictionary in
Ascending order

Enter 3. to display all
words in dictionary in
Descending order

Enter 4. to search a word
in dictionary

Enter 5. to delete a word
from dictionary

Enter 6. to exit

Enter your choice!

3

Words in dictionary in
Descending order:

computer : machine

bread : eatery

apple : fruit

Enter 1. to insert a word
in dictionary

Enter 2. to display all
words in dictionary in
Ascending order

Enter 3. to display all
words in dictionary in
Descending order

Enter 4. to search a word
in dictionary

Enter 5. to delete a word
from dictionary

Enter 6. to exit

Enter your choice!

4

Enter word to search: bread

bread found in dictionary

Enter 1. to insert a word
in dictionary

Enter 2. to display all
words in dictionary in
Ascending order

Enter 3. to display all
words in dictionary in
Descending order

Enter 4. to search a word
in dictionary

Enter 5. to delete a word
from dictionary

Enter 6. to exit

Enter your choice!

5

Enter the word that you
want to delete from dictionary
apple

apple is deleted

Words in dictionary in
Ascending order

bread : eatery

computer : machine

Enter 1. to insert a word
in dictionary

Enter 2. to display all
words in dictionary in
Ascending order

Enter 3. to display all
words in dictionary in
Descending order

Enter 4. to search a word
in dictionary

Enter 5. to delete a word
from dictionary

Enter 6. to exit

Enter your choice!

6

Thank-you, you may leave
now!

...Program finished with exit
code 0

Press ENTER to exit console.

Thank-you !