# Before starting in the main menu

The methods are :

* contains(String s) [return type boolean] = true if the word ‘s’ is contained in the trie.
* isPrefix(String p) [return type boolean] = true if ‘p’ is a prefix of any word in the trie.
* insert(String s) [return type void] = inserts the word ‘s’ in the trie.
* delete(String s) [return type void] = deletes ‘s’ from the trie.
* isEmpty() [return type boolean]
* clear() [return type void]
* allWordsPrefix(String p) [return type String[]] = this method returns all words whose prefix is ‘p’.
* size() [return type int] = returns the number of nodes in the trie.

The options:

1) Create an empty trie

2) Create a trie with initial letters

3) Insert a word

4) Delete a word

5) List all words that begin with a prefix

6) Size of the trie

7) search for word

8) End

# The main menu

The main menu contains the 8 options in loop and maintain it until option 8 is inputted.

## Option 1

The first option was “Create an empty Trie”.

Text

Description automatically generated

## Option 2

Option 2 was “Create a trie with initial letters”.

Text

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## Option 3

Option 3 was “Insert a word”.

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## Option 4

This option is “Delete a word”.

Text

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## Option 5

The option is “List all words that begin with a prefix “.

Text

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## Option 6

Option 6 is “Size of the Trie “.

Text

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## Option 7

Option 7 is “Search for word”.

Text

Description automatically generated

## Option 8

Option 8 is (Save data to the file)

Text

Description automatically generated

# NOTE: the possible words to input is the upper cases words, any other input considered error.