List of Functions for Node Pointer

1. **NodePtr** initNodePtr();
2. **void delete**NodePtr(**NodePtr root**);
3. **int** node_insert(**NodePtr root, const char *str**);
4. **NodePtr** move_upto(**NodePtr root, const char *str**);
5. **int** get_str(**NodePtr head, char str[], int index, char **s, int upto, int first**);

List of Functions for Trie Data structure

1. void deleteTrie(**Trie *self**):- This function deletes the entire trie structure from the memory. It takes the root of the trie as an input argument and returns nothing.
2. **void insert**(**Trie *self, const char *str**):- This function inserts a string into the trie. It takes the root of the trie and a pointer to a string as an input argument and returns nothing.
3. **int search**(**Trie *self, const char *str**):- This function search the entire trie structure for a given string. It takes the root of the trie and a pointer to a string as an input argument and returns 1 when found and 0 if not found.
4. **void remove_str**(**Trie *self, const char *str**):- This function deletes a string from the trie structure. It takes the root of the trie and a pointer to a string as an input argument and returns nothing.
5. **int count**(**Trie *self**):- This function count number of strings in the entire trie structure. It takes the root of the trie as an input argument and returns the number of string as output.
6. **void print_trie**(**Trie *self**):- This function prints the entire trie structure from the memory. It takes the root of the trie as an input argument and returns nothing.
7. **char **get_upto**(**Trie *self, int sz**):-This function gets the given number of the string in the trie. It takes the root of the trie as an input argument and an integer and returns character pointer.
8. **char **get_all**(**Trie *self**):- This function gets all the string in the trie. It takes the root of the trie as an input argument and returns character pointer.

9. **void clear(Trie *self):-** This function deletes the entire trie structure from the memory. It takes the root of the trie as an input argument and returns nothing.

10. **void trie_copy(Trie *dest, Trie *src):-** This function copies a string from one trie to another trie. It takes the root of the source trie and the destination trie as an input argument and returns nothing.

11. **char **sort_strings(char **s, int n):-** This function sorts the string in the trie structure from the memory.