

```
writeStoryToFile(string text) {
```

String "This is a story" → ASCII
 { ex: 10 3 24 50 60 etc } file.txt

```
readStoryFromFile (file name) {  
  file.txt → 10 3 24 50 60 etc  
  ↓ "This is a story". string  
}
```

LCS Longest Common Prefix (LCP)

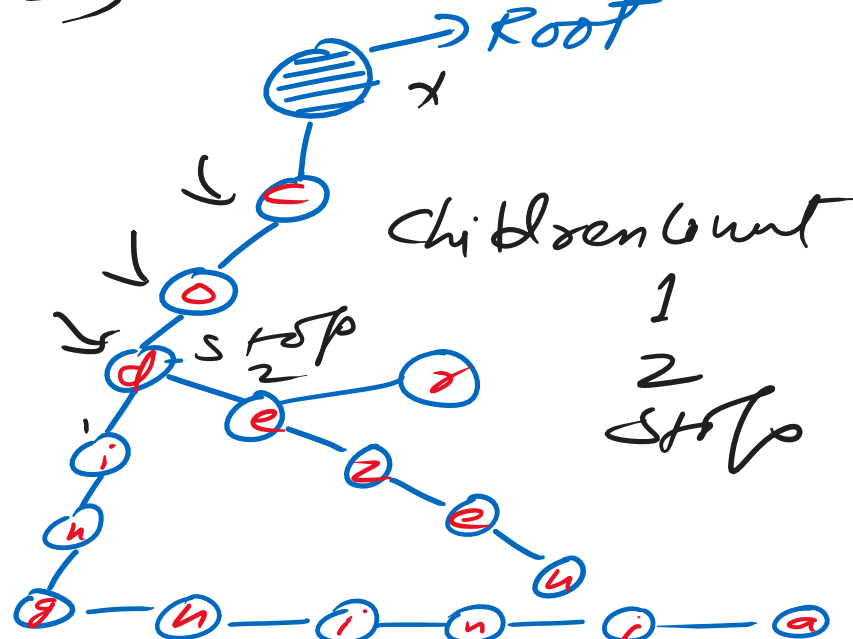
str = "cod"

Brute Force

vector<string>
 → Coding [0]
 → codezen [1]
 → codingninja [2]
 → coder [3]

o/p cod "o" coder
 str[0][i] lcp = 0

⇒ Trie



```
int reverseInteger (int n) {  
  // Write your code here
```

```
}
```

input → 123 o/p → 321

input → 120 o/p → 21

```
main() {  
  cout << reverseInteger(123) << endl;  
}
```

DRY RUN

ans = 0

ans = ans * 10 + d

= 0 + 3

= 3

= 3 * 10 + d

= 30 + 2

= 32

= 32 * 10 + d

= 321

int n = 123

123 = 1 * 100 + 2 * 10 + 3

int digit = n % 10

123 % 10 = 3

n = n / 10 = 123 / 10 = 12

12 % 10 = 2

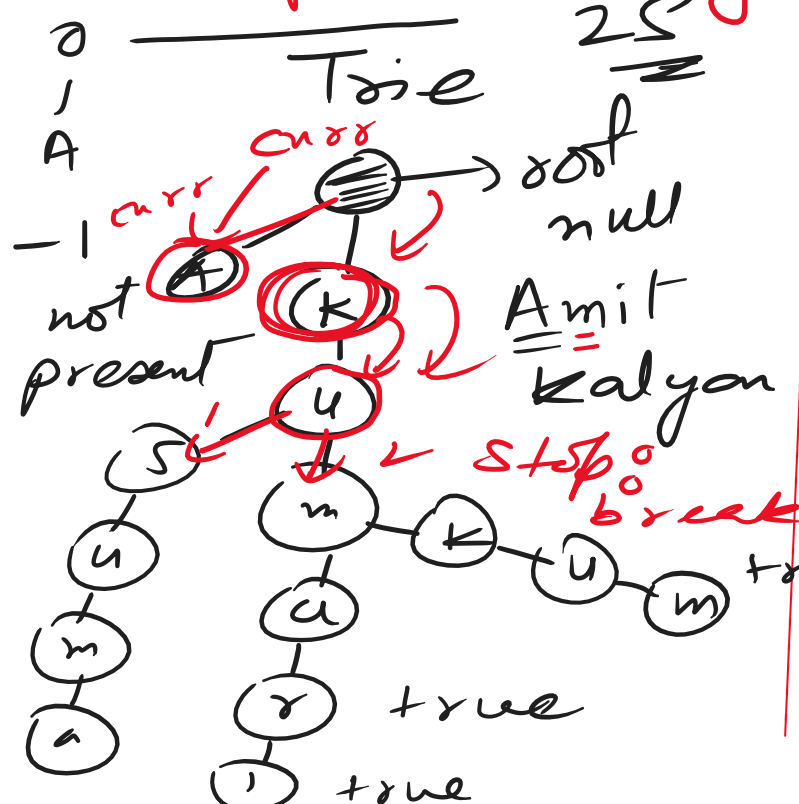
12 / 10 = 1

1 % 10 = 1

1 / 10 = 0 (stop) while

* Dictionary (names)

* Telephone Directory



Other data structures

unordered_map<K, V>

unordered_map<string, bool>

insert("Kumari", 1);

insert("Kumar", 1);

insert("Kumkum", 1);

insert("Kusuma", 1);

more space required