

03/03/14 05:57:03 /Users/Clayton/Desktop/Repos/Senior-Sem-Projects/interviewee.py

```
1 class Node:
2     def __init__(self, cargo, end=False):
3         self.cargo = cargo
4         self.next = {}
5         self.end = end
6
7 class Trie:
8     def __init__(self):
9         self.root = Node('.')
10
11     def insert(self, word):
12         current = self.root
13
14         for letter in range(len(word)):
15             if current.next.has_key(word[letter]):
16                 current = current.next[word[letter]]
17             else:
18                 if letter == len(word)-1:
19                     current.next[word[letter]] = Node(word[letter])
20                     current.next[word[letter]].end = True
21                 else:
22                     current.next[word[letter]] = Node(word[letter])
23                     current = current.next[word[letter]]
24
25     # enter code here
26
27 def main():
28     myTrie = Trie()
29
30     myTrie.insert("dog")
31     myTrie.insert("dad")
32     myTrie.insert("cat")
33     myTrie.insert("dogma")
34
35     substring = raw_input("Enter string: ")
36
37     # enter code here
38
39 if __name__ == '__main__':
40     main()
```