14. Write C programs that demonstrate the mathematical analysis of non-recursive and recursive algorithms.

```
Program:
# Non-recursive algorithm analysis
def non_recursive_analysis(n):
  for i in range(n):
    print(i)
# Recursive algorithm analysis
def recursive_analysis(n):
  if n > 0:
    print(n)
    recursive_analysis(n-1)
# Demonstrate non-recursive algorithm analysis
non_recursive_analysis(5)
# Demonstrate recursive algorithm analysis
recursive_analysis(5)
Output:
```

