13. Write C program that demonstrates the usage of these notations by analyzing the time complexity of some example algorithms.

```
def example_algorithm_1(n):
    for i in range(n):
        print(i)


# Example algorithm 2
def example_algorithm_2(n):
    total = 0
    for i in range(n):
        total += i
    return total


# Call example algorithms with input size n
n = 5
example_algorithm_1(n)
result = example_algorithm_2(n)
print(result).
```

Output:

```
"C:\Program Files\Python311\python.exe" C:\Users\shoba\PycharmProjects\pythonProject2\tut1457.py
0
1
2
3
4
10

Process finished with exit code 0
```