## DATE:06/06/2024

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

AIM: To demonstrates the usage of these notations by analysing the time complexity of some example algorithms.

```
CODE:
def example_algorithm_1(n):
  for i in range(n):
    print(i)
def example_algorithm_2(n):
  for i in range(n):
    for j in range(n):
      print(i, j)
def example_algorithm_3(n):
  i = 1
  while i < n:
    print(i)
    i *= 2
OUTPUT:
=== Code Execution Successful ===
```

TIME COMPLEXITY: O(n)