

* Number $\rightarrow 4539$

\rightarrow Total digits (4)
11

Also known as
symbols

* Each symbol has power associated with it depends on base.

E.g \rightarrow base₁₀, base₂, base₈

$$(4539)_{10} \rightarrow 4 \times 10^3 + 5 \times 10^2 + 3 \times 10^1 + 9 \times 10^0$$

Pseudocode

\rightarrow while number $\neq 0$, count = 0

\hookrightarrow num/10 \Rightarrow digit

\hookrightarrow count++

\hookrightarrow num

E.g $\rightarrow 4539$

4 453

1. 135

2. 45

3. 4

4. 0

Time comp $\rightarrow O(\text{digits})$

Space comp $\rightarrow O(1)$