Recursion
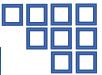
- A function which calls itself is called as recursive function and this process of repetition is called recursion.
- Recursion function is a function which calls itself continuously. This technique is called recursion.

Whenever a function is called then there are two possibilities –

1. Normal function call.
2. Recursive function call.

Recursive function call.

- When a function calls itself then it is called recursive function call. Every recursive function should have terminate condition else program executions enters in infinite loop

```
fn fac(n: i32) -> i32 {
  if n > 1 {
    n * fac(n - 1)
  } else {
    n
  }
}
```