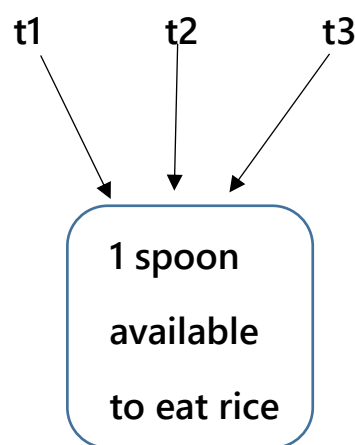## What is Synchronization?

Multithreading is very good whenever we want to complete our task as soon as possible, but in some situation it may provide some wrong result or some corrupted data, this situation occur whenever an same resource is accessible by multiple threads at the same time. So, here come the concept of Synchronization, it is a technique through which we can control multiple threads or among the number of threads only one thread will enter inside the Synchronized area.

t1   t2   t3

1 spoon

available

to eat rice

It have two types :-

- Method level Synchronization
- Block level Synchronization

What is Method level Synchronization?

In method level synchronization the entire method get synchronized so, only one thread will enter inside synchronized area and remaining all the threads will wait at method level.

What is Block level Synchronization?

In block level synchronization the entire method is not get synchronized, we have to enclosed those few lines of the code put inside synchronized block.