

## Introduction:

Sharing Multi Threaded...

# MULTITHREADING

It is most useful and powerful feature of JAVA through which we can implement the multi-tasking feature through program. JAVA is one and only one language which supports this feature.

Thread is a single unit of work. When multiple threads execute then it is called Multithreading. At a time only one thread executes.

eg:

Take a printer which is printing. At a time printer can print only one page and the task will be completed after it has printed all the pages. Same way a single thread executes at a time, and task will be completed after all thread had completed their tasks.

Threads provide a faster execution since they are light weight, switching is easier in case of thread. Also when one thread stops execution the another thread starts execution.

Multithreading is a way to introduce parallelness in our program. In any case if there can be parallel paths (parts which do not depend on result from a other part) in our program,

As we know that, a program which is in execution state is known as "process".

'thread' means process. It means, every module written in a program can be treated as a thread. In operating system, we generally use the concept of single-

tasking on FCFS basis in which a register switch over from one process to another

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