Sleep method in java

The sleep() method of Thread class is used to sleep a thread for the specified amount of time.

Syntax of sleep() method in java

The Thread class provides two methods for sleeping a thread:

* public static void sleep(long miliseconds)throws InterruptedException
* public static void sleep(long miliseconds, int nanos)throws InterruptedException

Example of sleep method in java

1. **class** TestSleepMethod1 **extends** Thread{
2. **public** **void** run(){
3. **for**(**int** i=1;i<5;i++){
4. **try**{Thread.sleep(500);}**catch**(InterruptedException e){System.out.println(e);}
5. System.out.println(i);
6. }
7. }
8. **public** **static** **void** main(String args[]){
9. TestSleepMethod1 t1=**new** TestSleepMethod1();
10. TestSleepMethod1 t2=**new** TestSleepMethod1();
12. t1.start();
13. t2.start();
14. }
15. }

Output:

1

1

2

2

3

3

4

4

As you know well that at a time only one thread is executed. If you sleep a thread for the specified time,the thread shedular picks up another thread and so on.