#### Java并发编程

##### 之ThreadPoolExecutor工具类

问题描述

Spring Boot 2.2.5

JDK 8

ThreadPoolExecutor是Java并发编程中一个常用的工具类。

解决

CleanTimerTask.java

private ThreadPoolExecutor createThreadPoolExecutor()  
{  
 return new ThreadPoolExecutor(threadPoolSize, threadPoolSize, 1L, TimeUnit.*SECONDS*,  
 new SynchronousQueue<Runnable>(), new NamedPrefixThreadFactory("RECYCLEBIN", false),  
 new RetryRejectExecutionHandler())  
 {  
@Override  
 protected void beforeExecute(Thread t, Runnable r)  
 {  
 ...  
 }  
  
@Override  
 protected void afterExecute(Runnable r, Throwable t)  
 {  
 ...

}  
 };  
}

private void cleanAllPoTables()  
{  
 ...  
  
 ThreadPoolExecutor executor = createThreadPoolExecutor();  
   
 while (it.hasNext())  
 {  
 executor.execute(...);

}  
  
 executor.shutdown();  
 try  
 {  
 //等待最多600秒  
 executor.awaitTermination(600, TimeUnit.*SECONDS*);  
 }  
 catch (InterruptedException e)  
 {  
 ...  
 }  
 if (!isTimeout)  
 {  
 ...  
 }  
  
 ...  
}

□