Amiseq

import java.util.concurrent.BlockingQueue;

import java.util.concurrent.LinkedBlockingQueue;

public class CustomThreadPoolExecutor {

private final BlockingQueue<Runnable> workerQueue;

private final Thread[] workerThreads;

public CustomThreadPoolExecutor(int numThreads) {

workerQueue = new LinkedBlockingQueue<>();

workerThreads = new Thread[numThreads];

int i = 0;

for (Thread t : workerThreads) {

t = new Worker("Custom Pool Thread " + ++i);

t.start();

}

}

public void addTask(Runnable r) {

try {

workerQueue.put(r);

} catch (InterruptedException e) {

e.printStackTrace();

}

}

class Worker extends Thread {

public Worker(String name) {

super(name);

}

public void run() {

while (true) {

try {

System.out.println("Sleeping for 5 seconds");

Thread.sleep(500);

workerQueue.take().run();

} catch (InterruptedException e) {

e.printStackTrace();

} catch (Exception e) {

e.printStackTrace();

}

}

}

}

public static void main(String[] args) {

CustomThreadPoolExecutor threadPoolExecutor = new CustomThreadPoolExecutor(10);

threadPoolExecutor.addTask(() -> System.out.println("First print task"));

threadPoolExecutor.addTask(() -> System.out.println("Second print task"));

}

}

<https://www.baeldung.com/java-stack-heap>

<https://www.baeldung.com/jvm-garbage-collectors>

<https://www.techtarget.com/searchnetworking/definition/TCP-IP#:~:text=TCP%2FIP%20stands%20for%20Transmission,(an%20intranet%20or%20extranet)>.

<https://www.geeksforgeeks.org/tcp-3-way-handshake-process/>

<https://www.cloudflare.com/learning/ssl/what-is-https/>