import java.util.concurrent.ExecutorService;

import java.util.concurrent.Executors;

class WorkerThread implements Runnable

{

private String command;

public WorkerThread(String s){

this.command=s;

}

@Override

public void run() {

System.out.println(Thread.currentThread().getName()+" Start. Command = "+command);

processCommand();

System.out.println(Thread.currentThread().getName()+" End.");

}

private void processCommand ()

{

try {

Thread.sleep(5000);

} catch (InterruptedException e) {

e.printStackTrace();

}

}

@Override

public String toString(){

return this.command;

}

}

public class Main {

public static void main(String args[]) {

ExecutorService executor = Executors.newFixedThreadPool(5);

for (int i = 0; i< 10; i++) {

Runnable worker = new WorkerThread("" + i);

executor.execute(worker);

}

executor.shutdown();

while (!executor.isTerminated()) {

}

System.out.println("Finished all threads");

}

}



