

```
import java.util.concurrent.ExecutorService;
import java.util.concurrent.Executors;

class WorkerThread implements Runnable
{
    private String message;
    public WorkerThread(String a)
    {
        this.message=a;
    }
    public void run()
    {
        System.out.println(Thread.currentThread().getName()+" (Start) message = "+message);
        processmessage();
        System.out.println(Thread.currentThread().getName()+" (End)");
    }
    private void processmessage()
    {
        try
        {
            Thread.sleep(5000);
        }
        catch (InterruptedException e)
        {
            System.out.println(e);
        }
    }
}
```

```
}  
public class Main  
{  
    public static void main(String[] args)  
    {  
        ExecutorService executor = Executors.newFixedThreadPool(5);  
        for (int i = 0; i < 10; i++)  
        {  
            Runnable obj = new WorkerThread("" + i);  
            executor.execute(obj);  
        }  
        executor.shutdown();  
        while (!executor.isTerminated())  
        {  
        }  
        System.out.println("All threads are Finished");  
    }  
}
```