```java
package Assignment6_1;
import java.util.Date;
import java.util.Timer;
import java.util.TimerTask;

public class Assignment6_1 extends TimerTask {
        @Override
    public void run() {
        System.out.println("Timer task started at:"+new Date());
        completeTask();
        System.out.println("Timer task finished at:"+new Date());
    }

    private void completeTask() {
        try {
            //assuming it takes 10 secs to complete the task
            Thread.sleep(10000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }

    public static void main(String args[]){
        TimerTask timerTask = new Assignment6_1();
        //running timer task as daemon thread
        Timer timer = new Timer(true);
        timer.scheduleAtFixedRate(timerTask, 0, 10*1000);
        System.out.println("TimerTask started");
        //cancel after sometime
        try {
            Thread.sleep(110000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
        timer.cancel();
        System.out.println("TimerTask cancelled");
        try {
            Thread.sleep(30000);
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
    }

}
```

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Quick Access

J Assignment6_1.java ⊠

```
38          System.out.println("TimerTask started");
```

🔲 Problems   @ Javadoc   🔍 Declaration   🖥 Console ⊠

<terminated> Assignment6_1 [Java Application] C:\Program Files\Java\jre1.8.0_111\bin\javaw.exe (Jan 14, 2017, 11:29:22 AM)

```
TimerTask started
Timer task started at:Sat Jan 14 11:29:22 IST 2017
Timer task finished at:Sat Jan 14 11:29:33 IST 2017
Timer task started at:Sat Jan 14 11:29:33 IST 2017
Timer task finished at:Sat Jan 14 11:29:43 IST 2017
Timer task started at:Sat Jan 14 11:29:43 IST 2017
Timer task finished at:Sat Jan 14 11:29:53 IST 2017
Timer task started at:Sat Jan 14 11:29:53 IST 2017
Timer task finished at:Sat Jan 14 11:30:03 IST 2017
Timer task started at:Sat Jan 14 11:30:03 IST 2017
Timer task finished at:Sat Jan 14 11:30:13 IST 2017
Timer task started at:Sat Jan 14 11:30:13 IST 2017
Timer task finished at:Sat Jan 14 11:30:23 IST 2017
Timer task started at:Sat Jan 14 11:30:23 IST 2017
Timer task finished at:Sat Jan 14 11:30:33 IST 2017
Timer task started at:Sat Jan 14 11:30:33 IST 2017
Timer task finished at:Sat Jan 14 11:30:43 IST 2017
Timer task started at:Sat Jan 14 11:30:43 IST 2017
Timer task finished at:Sat Jan 14 11:30:53 IST 2017
Timer task started at:Sat Jan 14 11:30:53 IST 2017
Timer task finished at:Sat Jan 14 11:31:03 IST 2017
Timer task started at:Sat Jan 14 11:31:03 IST 2017
TimerTask cancelled
Timer task finished at:Sat Jan 14 11:31:13 IST 2017
```