3.Write a program in Java to demonstrate synchronization

-->Source Code:

```java
package main;


public class Synchronization {


    public static void main(String[] args) {

        // TODO Auto-generated method stub

        SharedResource sharedResource = new SharedResource();


        Thread t1 = new Thread(()->{

            sharedResource.increment();

        });

        Thread t2 = new Thread(()->{

            sharedResource.increment();

        });


        t1.start();

        t2.start();

        try {

            t1.join();

            t2.join();

        }

        catch(InterruptedException e) {

            e.printStackTrace();

        }
```

```java
            System.out.println("Count: "+ sharedResource.getCount());

    }

}


class SharedResource{

    private int count;


    synchronized void increment() {

        count++;

    }




    int getCount() {

    return count;

    }

}
```

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```
1 package main;
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```

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Outline
- main
- Synchronization
  - main(String[]) : void

Problems   Javadoc   Declaration   Console ×

<terminated> Synchronization [Java Application] C:\Users\Varshitha B S\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.7.v20230425-1502\jre\bin\javaw.exe (11 May 2023, 22:33:43 – 22:33<

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