	EXPERIMENT NO. 12 Date: 26/09/2013 ROLL NO.: BD37
	Rall No.: B037
	AIM:
	To achieve synchronisation among multiple threads.
	THEORY:
<i>></i>	Synchronisation:
	Synchronisation is used to control the access of multiple
	threads to shared respurces neventing data inconsistencies
	and conflicts that might occur when multiple threads access the same resource simultaneously.
	access the same resource simultaneously.
	Syntax:
	public synchronized void Synchronized Method ()
	1/ Synchronized sode block
	7
	PROGRAM 1:
	class Counter
	3
	int count;
	public synchronized void increment ()
	\{\xi_{1}\}
	count ++;
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```
public class Sync
  public Static void main (String args [])
    Counter c= new Counter ();
    Ihread £1 = new Thread ( new Runnable ()
        public void sur ()
           for (int izo; ic 1000; i++)
           c. increment ();
     Thread t22 new Thread (
                new Runnables
                 public void run ()
                  for (inti=0; i<1000; i++)
                     c. increment ();
```

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t1. start (); t2. start (); t1. join (); // join () waits for the completion of t2. join (); // thread. System. out. println ("Count" + c. count); 4
t2. start ();
to spin (); (join () waits for the completion of
+2. (pin (); thread.
luctum. out println ("Count" + c. count);
4
n
ROCEDURE:
Step 1: Start
Step 2: Open Notipad
Lep 3: Write the code
Step 4: Compile the code in command prompt
tep 5: Run the code in command prompt
ten 5: Run are code we commune prompte
Step 6: Check the output
Step 7: End
CONCLUSION:
ence, we have achieved synchronization among multiple
Greads.
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