3.Write a program in Javato demonstrate synchronization

package Phase\_One;

class Table{

synchronized void printTable(int n){//synchronized method

for(int i=1;i<=5;i++){

System.out.println(n\*i);

try{

Thread.sleep(400);

}catch(Exception e){System.out.println(e);}

}

}

}

class MyThread1 extends Thread

{

Table t;

MyThread1(Table t)

{

this.t=t;

}

public void run()

{

t.printTable(5);

}

}

class MyThread2 extends Thread

{

Table t;

MyThread2(Table t)

{

this.t=t;

}

public void run()

{

t.printTable(100);

}

}

public class Synchronized

{

public static void main(String args[])

{

Table obj = new Table();

MyThread1 t1=new MyThread1(obj);

MyThread2 t2=new MyThread2(obj);

t1.start();

t2.start();

}

}

Output

5

10

15

20

25

100

200

300

400

500