**Thread Synchronization Mechanisms**

package Practise;

public class Sample4\_Synchronization {

//synchronized method.

public synchronized void printTable(int n){

System.***out***.println("Table of " + n);

for(int i=1;i<=10;i++){

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

try{

Thread.*sleep*(500);

}catch(Exception e){

System.***out***.println(e);

}

}

}

}

class MyThread1 extends Thread{

Sample4\_Synchronization pt;

MyThread1(Sample4\_Synchronization pt){

this.pt=pt;

}

public void run(){

pt.printTable(2);

}

}

class MyThread2 extends Thread{

Sample4\_Synchronization pt;

MyThread2(Sample4\_Synchronization pt){

this.pt=pt;

}

public void run(){

pt.printTable(5);

}

}

package Practise;

public class MulthiThreadExample {

public static void main(String[] args) {

//creating PrintTable object.

Sample4\_Synchronization obj = new Sample4\_Synchronization();

//creating threads.

MyThread1 t1=new MyThread1(obj);

MyThread2 t2=new MyThread2(obj);

//start threads.

t1.start();

t2.start();

}

}