Create a class Table including a method printable which prints multiplication table of a given value . Create two threads which prints multiplication table of 5 and 100 by calling the same function on same object. Test the threads
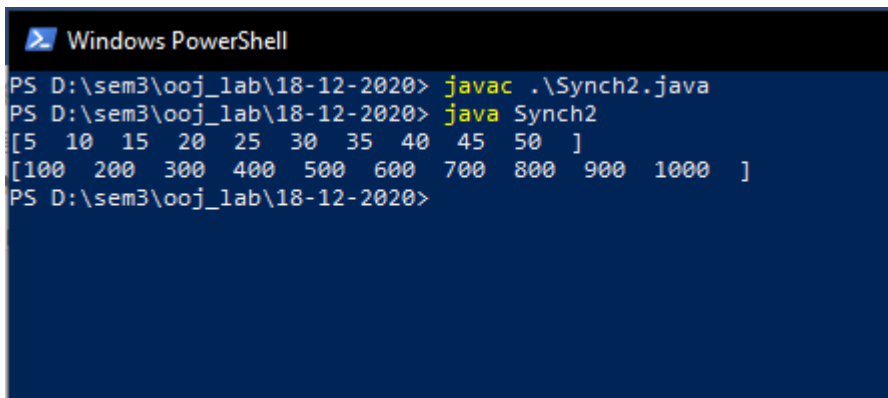
```
class Table {

void printable(int n) {

System.out.print("[");

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

    System.out.print(i*n+"  ");

try {

Thread.sleep(1000);

} catch (InterruptedException e) {

System.out.println("Interrupted");

}

System.out.println("]"); } }

class caller implements Runnable {

int n;

Table target;

Thread t;

public caller(Table targ, int s) {

target = targ;

n = s;

t = new Thread(this);

t.start();

}

// synchronize printables to printable()

public void run() {

synchronized(target) { // synchronized block

target.printable(n); } } }

class Synch2 {
```

```java
public static void main(String args[]) {

Table target = new Table();

caller ob1 = new caller(target, 5);

caller ob2 = new caller(target, 100);

// wait for threads to end

try {

ob1.t.join();

ob2.t.join();

} catch(InterruptedException e) {

System.out.println("Interrupted");

}

}

}
```

OUTPUT


```
Windows PowerShell
PS D:\sem3\ooj_lab\18-12-2020> javac .\Synch2.java
PS D:\sem3\ooj_lab\18-12-2020> java Synch2
[5   10   15   20   25   30   35   40   45   50   ]
[100   200   300   400   500   600   700   800   900   1000   ]
PS D:\sem3\ooj_lab\18-12-2020>
```

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