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Q Write a program which creates two threads, one thread displaying "BMS College of Engineering" once every 10 sec and another displaying "CRE" once every 2 sec.

```
class DisplayMessageThread extends Thread {  
    private final String Message;  
    private final long interval; // in ms
```

```
    DisplayMessageThread(String message, long interval) {  
        this.message = message;  
        this.interval = interval;  
    }
```

```
    public void run() {  
        try {  
            while(true) {  
                System.out.println(message);  
                Thread.sleep(interval);  
            }  
        }
```

```
    }  
    catch (InterruptedException e) {  
        System.out.println(message); Thread.currentThread().getName() +  
            " interrupted.");  
    }
```

```
}
```

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

```
        DisplayMessageThread thread1 = new DisplayMessageThread ("BMS  
                                college of Engineering", 10000); // 10s
```

```
        DisplayMessageThread thread2 = new DisplayMessageThread ("CSE", 2000);  
                                // 2s
```

```
        thread1.setName ("Thread 1");
```

```
        thread2.setName ("Thread 2");
```

```
        thread1.start();
```

```
        thread2.start();
```

```
        try {
```

```
            // let threads run for a while
```

```
            Thread.sleep(30000); // let the program run for 30s
```

```
        }
```

```
        catch (InterruptedException e) {
```

```
            System.out.println ("Main thread interrupted");
```

```
        }
```

```
        // Interrupt both threads to stop them
```

```
        thread1.interrupt();
```

```
        thread2.interrupt();
```

```
        System.out.println ("Main thread exiting");
```

```
    }
```

```
}
```

Output:

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

Main thread exiting

Thread1 interrupted

Thread2 interrupted

x x x x

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