

Lab Pg. 8
6/2/24.

WAP which creates two threads, one thread displaying "BMS College of Engineering" once every ten seconds and another displaying "CSE" once every two seconds.

```
class DisplayMessageThread extends Thread {  
    private final String message;  
    private final long interval;
```

```
    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(Thread.currentThread().  
                getName() + " Interrupted.");  
        }  
    }  
}
```

```
public class TwoThreadDemo {  
    public static void main (String[] args) {  
        DisplayMessageThread thread1 = new  
            DisplayMessageThread ("BMS College of Engineering", 10000);  
        DisplayMessageThread thread2 = new  
            DisplayMessageThread ("CSE", 2000);  
    }  
}
```



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

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

```
Thread 1. start();
```

```
Thread 2. start();
```

```
try {
```

```
    Thread.sleep(30000);
```

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

```
    System.out.println("Main Thread Interrupted.");
```

```
}
```

```
Thread 1. Interrupt();
```

```
Thread 2. Interrupt();
```

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

```
}
```

o/p BNS College of Engineering

CSE

CSE

CSE

CSE

CSE

BNS College of Engineering

CSE

CSE

CSE

CSE

CSE

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

BMS College of Engineering

Thread 1 Interrupted

Thread 2 Interrupted

Main thread existing

Thread 1 Interrupted

Thread 2 Interrupted

System one point (Main thread existing)

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE