

Lab 8 : WAP which creates two threads, one thread displaying "BMS College of Engineering" one every 10 seconds and another displaying "CSE" one every 2 seconds.

```
import java.lang.*;
```

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

```
    DisplayMessageThread (String messagemessage, 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 Main {
    public static void main (String args[]) {
        DisplayMessage Thread t1 = new DisplayMessage,
        Thread ("BMS College of Engineering",
        10000);

        DisplayMessage Thread t2 = new DisplayMessage Thread
        ("CSE", 2000);

        t1.setName ("First Thread");
        t2.setName ("Second Thread");
        t1.start();
        t2.start();

        try {
            Thread.sleep (30000);
        } catch (InterruptedException e) {
            System.out.println ("Main thread interrupted");
        }

        t1.interrupt();
        t2.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.

Second ~~First~~ thread interrupted.

First ~~second~~ thread interrupted.

6-2-24