

LAB-08

- 1) Write a program which creates two threads, one thread displaying "BMS College of Engineering" once every two 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 thread 1 =
            new DisplayMessageThread (" BMS
            College of Engineering ", 10000);

        DisplayMessageThread thread 2 =
            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 ");
    }
}

```


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

BMS College of Engineering

Main Thread Exiling

Thread 1 interrupted

Thread 2 interrupted