

Lab Program 8

Q} Write a program which creates two threads, one thread displaying "BMS College of Engineering" once every ten seconds and another displaying "CSE" once every two seconds.

//code

```
class DisplayBMS extends Thread {
    public void run() {
        try {
            while (true) {
                sout ("BMS college of engineering");
                Thread.sleep (10000);
            }
        } catch (InterruptedException e) {
            sout ("Thread interrupted:" + e.getMessage());
        }
    }
}

class DisplayCSE extends Thread {
    public void run() {
        try {
            while (true) {
                sout ("CSE");
                Thread.sleep (2000);
            }
        }
    }
}
```

```

        catch (InterruptedException e) {
            sout ("Thread Interrupted:" + e.getMessage());
        }
    }
}

```

```

public class MultiThreadExample {
    public static void main (String[] args) {
        DisplayBMS thread1 = new DisplayBMS();
        DisplayCSE thread2 = new DisplayCSE();
        thread1.start();
        thread2.start();
    }
}

```

Output

```

BMS college of engineering
CSE
CSE
CSE
CSE
CSE
BMS college of engineering
CSE
CSE
CSE
BMS college of engineering

```

}

{

}

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```

class CollegeThread extends Thread {
    private String message;
    private int interval;

    public CollegeThread(String message, int interval) {
        this.message = message;
        this.interval = interval;
    }

    public void run() {
        try {
            while (true) {
                System.out.println(message);
                Thread.sleep(interval * 1000);
            }
        } catch (InterruptedException e) {
            Thread.currentThread().interrupt();
        }
    }
}

public class Main {
    public static void main(String[] args) {
        Thread thread1 = new CollegeThread("BMS College of Engineering", 10);
        Thread thread2 = new CollegeThread("CSE", 2);
        thread1.start();
        thread2.start();
    }
}

```

//output

```

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