

JAVA LAB PROGRAM -8

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:

```
public class ThreadExample {  
    static class PrintBMS implements Runnable {  
        private volatile boolean running = true;  
        public void run() {  
            while (running) {  
                System.out.println("BMS College of Engineering");  
                try {  
                    Thread.sleep(10000); // Sleep for 10 seconds  
                } catch (InterruptedException e) {  
                    System.out.println("Thread interrupted: " + e.getMessage());  
                }  
            }  
        }  
        public void stopThread() {  
            running = false;  
        }  
    }  
    static class PrintCSE implements Runnable {  
        private volatile boolean running = true;  
        public void run() {  
            while (running) {  
                System.out.println("CSE");  
            }  
        }  
    }  
}
```

```

        try {
            Thread.sleep(2000);
        } catch (InterruptedException e) {
            System.out.println("Thread interrupted: " + e.getMessage());
        }
    }
}

public void stopThread() {
    running = false;
}
}

public static void main(String[] args) {
    PrintBMS printBMS = new PrintBMS();
    PrintCSE printCSE = new PrintCSE();
    Thread thread1 = new Thread(printBMS);
    Thread thread2 = new Thread(printCSE);
    thread1.start();
    thread2.start();
    try {
        Thread.sleep(30000);
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    printBMS.stopThread();
    printCSE.stopThread();
    try {
        thread1.join();

```

```
        thread2.join();
    } catch (InterruptedException e) {
        e.printStackTrace();
    }
    System.out.println("Program finished.");
}
}
```

Output:

```
D:\2nd year\Java>javac ThreadExample.java

D:\2nd year\Java>java ThreadExample
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
Program finished.
```