

LAB 8

Write a program which creates two threads, one displaying "BMS College of Engineering" once every two seconds & another displaying "CSE" once every two seconds.

```
public class ThreadExample {  
    static class PrintBMS implements Runnable  
    {  
        private volatile boolean running = true;  
  
        public void run()  
        {  
            while (running)  
            {  
                s.o.p ("BMS College of Engineering");  
                try {  
                    Thread.sleep(2000);  
                }  
                catch (InterruptedException e)  
                {  
                    s.o.p ("Thread interrupted: " + e.getMessage());  
                    Thread.currentThread().interrupt();  
                    break;  
                }  
            }  
        }  
  
        public void stopThread()  
        {  
            running = false;  
        }  
    }  
  
    static class PrintCSE implements Runnable  
    {  
        private volatile boolean running = true;  
  
        public void run()  
        {  
            while (running)  
            {  
                s.o.p ("CSE");  
                try {  
                    Thread.sleep(2000);  
                }  
                catch (InterruptedException e)  
                {  
                    s.o.p ("Thread interrupted: " + e.getMessage());  
                    Thread.currentThread().interrupt();  
                    break;  
                }  
            }  
        }  
  
        public void stopThread()  
        {  
            running = false;  
        }  
    }  
}
```

Catch (InterruptedException e)

```
< s.o p("Thread interrupted" + e.getMessage());  
    Thread.currentThread().interrupt();  
    break;
```

```
>  
>  
>  
public void stopThread()
```

```
< running = false;
```

```
>  
public static void main (String [] args)
```

```
< sop ["Name : Aalukha GP , USN : 1DM23C5005"];
```

```
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();
```

```
thread1.interrupt();
```

```
thread2.interrupt();
```

```
try
```

```
< thread1.join();
```

```
thread2.join();
```

```
>
```

```
catch (InterruptedException e)
```

```
<    e.printStackTrace();
```

s.o.p ("Program Finished");

2/1 BMS college of Engineering

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BMS college of Engineering

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BMS college of Engineering

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Thread interrupted : sleep interrupted.

Thread interrupted : sleep interrupted.

Program finished.

San