LAB Program : 9

Code

```java
import java.util.Scanner;

class myThread implements Runnable
{
    Thread myT;
    String msg;
    int time,noTime;

    myThread(String name,int n,int times)
    {
        myT=new Thread(this,name);
        if(n==0)
        {
            time=10000;
            msg="BMS College of Engineering";
            noTime=times;
        }
        else
        {
            time=2000;
            msg="CSE";
            noTime=times*5;
        }
        System.out.printf(" Thread %s Starting \n\n",myT.getName());
        myT.start();
    }
    public void run()
    {

        try
        {
            for(int i = noTime; i > 0; i--)
            {
                System.out.println(" "+msg);
                Thread.sleep(time);
            }
        }
        catch(InterruptedException e)
        {
            System.out.println(myT.getName()+ " was Interrupted");
        }

    }
}

class mainDriver
```

```java
class mainDriver
{
    public static void main(String[] args)
    {
        int times;
        Scanner get = new Scanner(System.in);
        System.out.printf("\n Enter the No of Loops: ");
        times=get.nextInt();
        System.out.println(" ");
        new myThread("BMS",0,times);
        new myThread("CSE",1,times);

        try
        {
            Thread.sleep(10000*times);
            System.out.println("\n Main Thread is Awake");
        }
         catch (InterruptedException e)
        {
            System.out.println("\n Main Thread was Interrupted");
        }

        System.out.println(" Main Thread Ending");
    }
}
```

Output

```
Enter the No of Loops: 2

Thread BMS Starting

Thread CSE Starting

BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE

Main Thread is Awake
Main Thread Ending
```