

LAB-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.

Program:

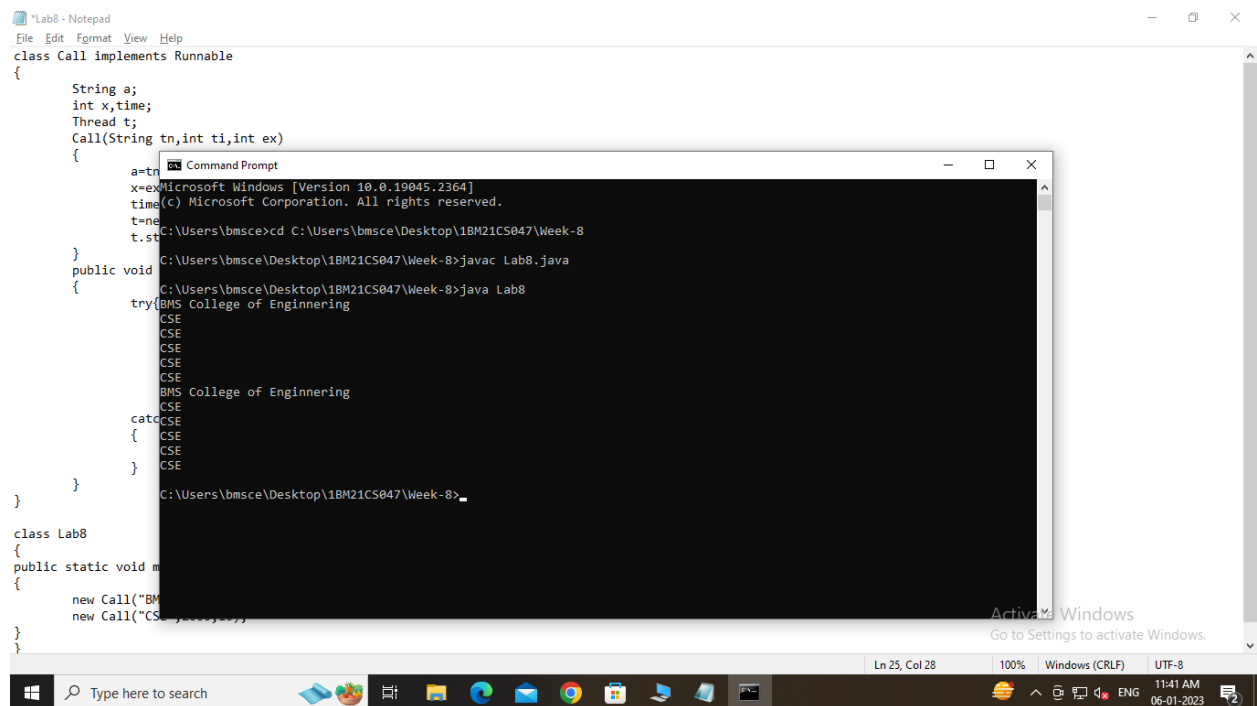
```
class Call implements Runnable
{
    String a;
    int x,time;
    Thread t;
    Call(String tn,int ti,int ex)
    {
        a=tn;
        x=ex;
        time=ti;
        t=new Thread(this,a);
        t.start();
    }
    public void run()
    {
        try{
            for(int i=0;i<x    ;i++)
            {
                System.out.println(a);
                Thread.sleep(time);
            }
        }
        catch(InterruptedException ie)
        {
```

```

        System.out.println("Interrupted ");
    }
}

class Lab8
{
    public static void main(String xx[])
    {
        new Call("BMS College of Engineering",10000,2);
        new Call("CSE",2000,10);
    }
}

```



The screenshot shows a Windows desktop environment. In the background, a Notepad window titled "Lab8 - Notepad" contains the following Java code:

```

class Call implements Runnable
{
    String a;
    int x,time;
    Thread t;
    Call(String tn,int ti,int ex)
    {
        a=tn;
        x=ex;
        time(ti);
        t.start();
    }
    public void run()
    {
        try{
            a=a.substring(0,x);
            System.out.println(a);
        }
        catch(Exception e)
        {
            e.printStackTrace();
        }
    }
}

class Lab8
{
    public static void main(String xx[])
    {
        new Call("BMS College of Engineering",10000,2);
        new Call("CSE",2000,10);
    }
}

```

In the foreground, a Command Prompt window is open, showing the execution of the code. The prompt is at the directory C:\Users\bmsce\Desktop\1BM21CS047\Week-8. The user has entered the commands 'javac Lab8.java' and 'java Lab8'. The output shows the execution of the 'run' method of the 'Call' class, printing the string 'BMS College of Engineering' and then 'CSE' multiple times, indicating that the threads are running concurrently.

6-1-22

Lab 8.

class WAS to print BMS college of Engineering for
every 10s and CSE for every 2 sec.

class Call implements Runnable.

```

{
    String a;
    int n, time;
    Thread t;
    Call(String tn, int ti, int en)
    {
        a = tn;
        n = en;
        time = ti;
        t = new Thread(this, a);
        t.start();
    }

    public void run()
    {
        try {
            for (int i = 0; i < n; i++)
            {
                System.out.println(a);
                Thread.sleep(time);
            }
        } catch (InterruptedException ie)
        {
            System.out.println("Interrupted");
        }
    }
}

```

class Lab 8

```

{
    public static void main(String xx[])
    {
        System.out.println("BMS college of Engineering", 10000, 2);
        new Call("BMS college of Engineering", 10000, 2);
        new Call("CSE", 2000, 10);
    }
}

```


Output:

BMS College of Engineering

CSE

CSE

CSE

CSE

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

06/10/23