

Lab program VIII

Write a java program which creates two threads, one thread displaying "Bms College of Engineering" once every 10 seconds and another displaying "CSE" every 2 seconds.

```

class A extends Thread {
    private boolean running = true;
    public void terminate () {
        running = false;
    }
    public void run () {
        while (running) {
            System.out.println("BMS College of Engineering");
            try {
                Thread.sleep(10000);
            }
            catch (InterruptedException ie) {
                System.out.println("Sleeping thread woken up");
            }
        }
    }
}

```

```

class B extends Thread {
    private boolean running = true;
    public void terminate () {
        running = false;
    }
    public void run () {
        while (running) {
            System.out.println("CSE");
        }
    }
}

```

```
try {
```

```
    Thread.sleep(2000);
```

```
}
```

```
catch (InterruptedException ie) {
```

```
    System.out.println("Sleeping thread woken up");
```

```
}
```

```
}
```

```
}
```

```
}
```

~~public~~

```
class ThreadExample {
```

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

```
        ");
```

```
        A threadA = new A();
```

```
        B threadB = new B();
```

```
        threadA.start();
```

```
        threadB.start();
```

```
        try {
```

```
            woken up");
```

```
            Thread.sleep(30000);
```

```
        }
```

```
        catch (InterruptedException ie) {
```

```
            System.out.println("Main thread interrupted");
```

```
        }
```

```
        threadA.terminate();
```

```
        threadB.terminate();
```

```
        System.out.println("Program terminated");
```

```
    }
```

```
}
```

Output

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

BMS College of Engineering

CSE

CSE

CSE

CSE

CSE

BMS College of Engineering

CSE

CSE

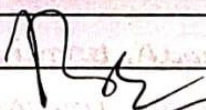
CSE

CSE

CSE

BMS College of Engineering

Program terminated


29/11/20

```
class A extends Thread {  
    public void run() {  
        while(true) {  
            System.out.println("BMS College of Engineering");  
            try {  
                Thread.sleep(10000);  
            }  
            catch (InterruptedException ie) {  
                System.out.println("Thread has been woken up");  
            }  
        }  
    }  
}
```

```
class B extends Thread {  
    public void run() {  
        while(true) {  
            System.out.println("CSE");  
            try {  
                Thread.sleep(2000);  
            }  
            catch (InterruptedException ie) {  
                System.out.println("Thread has been woken up");  
            }  
        }  
    }  
}
```

```
class Main2 {  
    public static void main(String args[]) {  
        A objA = new A();  
    }  
}
```

```
        B objB = new B();

        objA.start();

        objB.start();

    }

}
```

```
D:\1BM23CS330>java Main2
BMS College of Engineering
CSE
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
CSE
^C
D:\1BM23CS330>
```