

28/11/24

LAB-8

Q. 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.

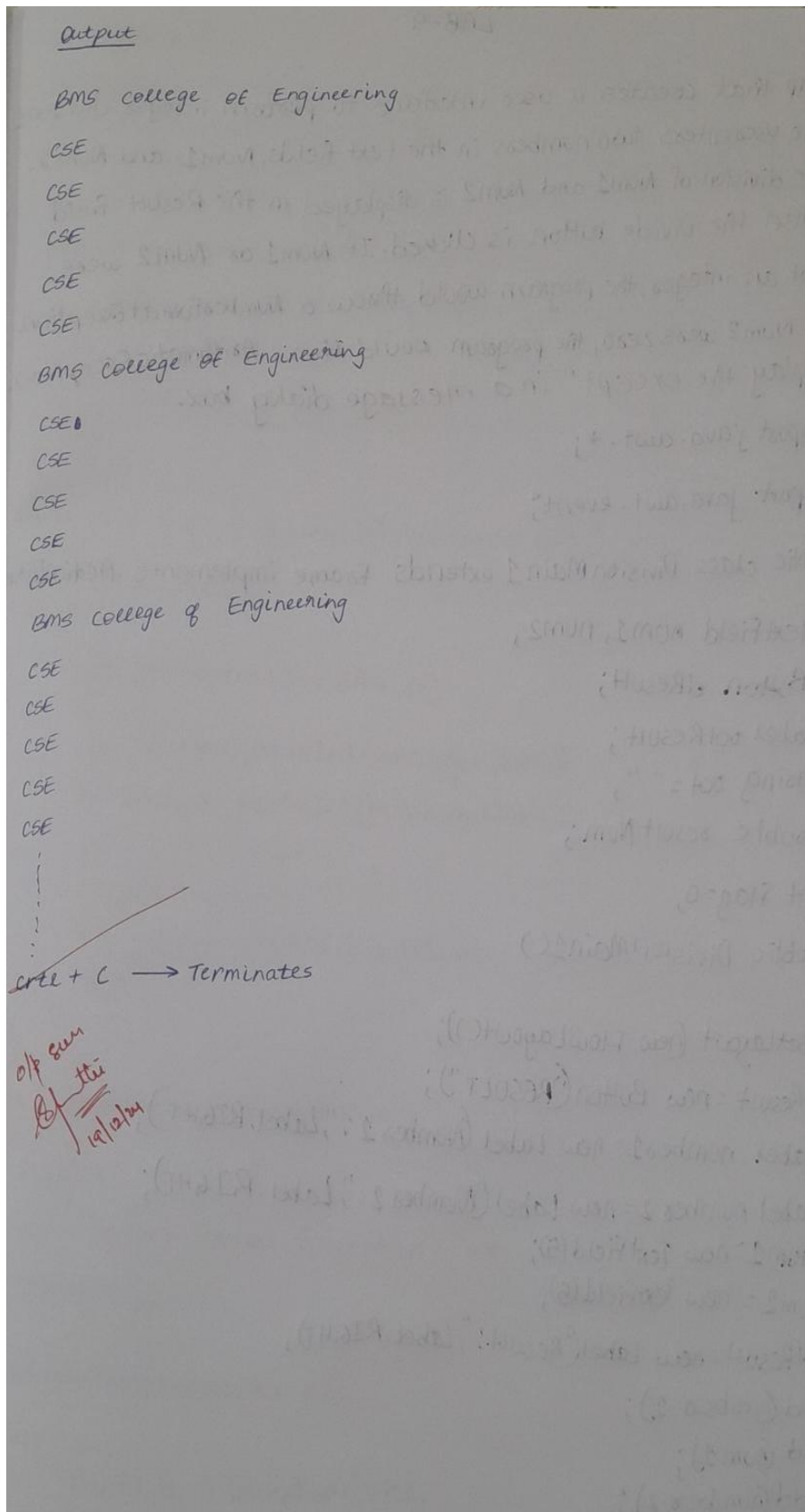
```

class CollegeThread extends Thread {
    public void run() {
        try {
            while (true) {
                s.o.p("BMS College of Engineering");
                Thread.sleep(10000);
            }
        } catch (InterruptedException e) {
            s.o.p("CollegeThread interrupted");
        }
    }
}

class DepartmentThread extends Thread {
    public void run() {
        try {
            while (true) {
                s.o.p("CSE");
                Thread.sleep(2000);
            }
        } catch (InterruptedException e) {
            s.o.p("DepartmentThread interrupted");
        }
    }
}

public class ThreadDemo {
    public static void main(String[] args) {
        CollegeThread collegeThread = new CollegeThread();
        DepartmentThread departmentThread = new DepartmentThread();
        collegeThread.start();
        departmentThread.start();
    }
}

```



```
class CollegeThread extends Thread {  
    boolean execution=true;
```

```

public void end() {
    execution=false;
}
public void run(){
    try {
        while (execution) {
            System.out.println("BMS College of Engineering");
            Thread.sleep(10000); // 10 seconds
        }
    } catch (InterruptedException e) {
        System.out.println("CollegeThread interrupted");
    }
}
}

```

```

class DepartmentThread extends Thread {
    boolean execution=true;
    public void terminate(){
        execution=false;
    }
    public void run() {
        try {
            while (execution) {
                System.out.println("CSE");
                Thread.sleep(2000); // 2 seconds
            }
        } catch (InterruptedException e) {
            System.out.println("DepartmentThread interrupted");
        }
    }
}

```

```

public class Mainn {
    public static void main(String[] args) {
        // Create and start threads
        CollegeThread collegeThread = new CollegeThread();
        DepartmentThread departmentThread = new DepartmentThread();

        collegeThread.start();
        departmentThread.start();
        try{
            Thread.sleep(30000);
        }
        catch(InterruptedException e){
            System.out.println("Program terminated");
        }
    }
}

```

