Lab 08 : threads
CODE :

```java
class DisplayThread extends Thread {

    private String message;

    private int interval;

    private boolean running = true;

    public DisplayThread(String message, int interval) {

        this.message = message;

        this.interval = interval;

    }

    public void run() {

        while (running) {

            System.out.println(message);

            try {

                Thread.sleep(interval);

            } catch (InterruptedException e) {

                e.printStackTrace();

            }

        }

    }

    public void stopThread() {

        running = false;

    }

}

public class ThreadExample {

    public static void main(String[] args) {

        DisplayThread bmsThread = new DisplayThread("BMS College of Engineering",
10000);

        DisplayThread cseThread = new DisplayThread("CSE", 2000);

        bmsThread.start();

        cseThread.start();
```

```java
        System.out.println("Press Enter to stop the threads...");

        try {

            System.in.read();

        } catch (Exception e) {

            e.printStackTrace();

        }

        bmsThread.stopThread();

        cseThread.stopThread();

    }

}
```

OUTPUT:

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

LAB - 08 :-

* 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 displayThread extends Thread {
   private string message;
   private int interval;
   private boolean running = true;
   Public DisphyThread (string message, int interval)
   {
      this. message = message;
      this. interval = interval;
   }

   public void run() {
      while (running) {
         system.out. println (message);
         try {
            Thread.sleep (interval);
         }
         catch (InterruptedExaption e) {
            e. printStack Trace ();
         }
      }
   }

   public void stop Thread () {
      running = False;
   }

```
Display Thread   bms Thread = new Display Thread
(" Bms college of Engineering" 1000);
Display Thread   cse Thread = new Display Thread
("CSE", 2000);
bms Thread. start();
CSE Thread. start();
System. out. println (" press Enter to stop the
    threads ----");
    try {
        System. in .read();
    } catch (Exception e) {
        e. printstack Trace();
    }
    bms Thread. stop Thread();
    cse Thread . stop Thread();
}
}
```

output :-

```
BMS colege of Engineering
CSE
CSE
CSE
CSE
CSE
BMS college of Engineering
```