Lab program - 8

Q) Write a program which creates two threads one
displaying "BMS college of Engineering" one every ten seconds
and another displaying "CSE" once every two seconds

→
```java
public class ThreadExample {
    static class printBMS implements Runnable {
        private volatile boolean running = true;
        public void run();
        { while (running)
            {
                SOP ("BMS college of Engineering");
                try {
                    Thread.sleep(10000);
                }
                catch (Interrupted Exception e)
                {
                    SOP ("Thread interrupted: Exception + e. getMessage();
                    Thread.currentThread().interrupt();
                    break;
                }
            }
        }
        public void stopThread()
        {
            running = false;
        }
    }
    static class printCSE implements Runnable {
        public void run()
        {
            while (running)
            {
                SOP ("CSE");
                try {
                    Thread.sleep(2000);
                }
                catch (Interrupted Exception e)
                { SOP ("Thread interrupted:" + e.getmessage());
                    Thread.currentThread().interrupt();
                    break;
                }
            }
        }
    }
}
```

```java
public void StopThread()
{
    running = false;
}
}
public static void main (String[] args)
{
    SOP("Name: Akshay s", USN: 1BM22CS022");
    printBMS printBMS = new printBMS();
    printCSE printCSE = new printCSE();
    Thread thread1 = new thread(print BMS);
    Thread thread2 = new thread(print CSE);

    thread1.start();
    thread2.start();
    try {
        Thread.sleep(30000);
    }
    catch (Interrupted Exception e)
    {
        e.printStackTrace();
    }
    printBMS. StopThread();
    printCSE. StopThread();
    thread1. interrupt();
    thread2. interrupt();

    try {
        thread1.join();
        thread2.join();
    }
    catch ( Interrupted Exception e)
    {
        e.printStackTrace();
    }
    SOP("program finished");

}
}
```

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
Thread interrupted: sleep interrupted
Thread interrupted: sleep interrupted
Program finished.

24/12/24