LAB PROGRAM – 7

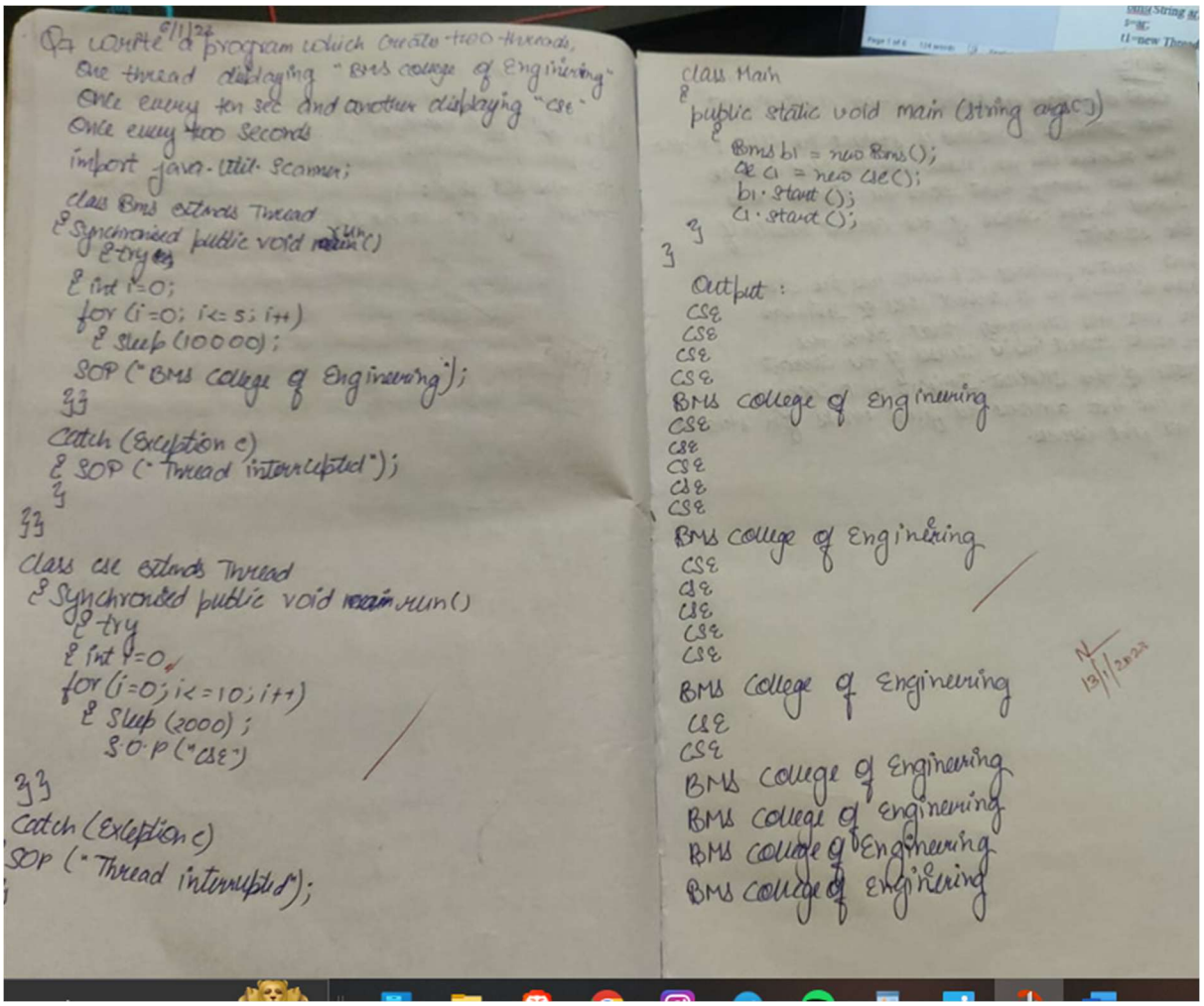
Q. Write a program which creates two threads, one thread displaying “BMS College of Engineering” once every ten seconds and another displaying “CSE” once every two seconds.

```
class bms implements Runnable{
Thread t1;
String s;
long ti;
     bms() {
t1=new Thread(this,"Default");
}
bms(String ar, long t){
s=ar;
t1=new Thread(this,s);
ti=t;
}
public void run(){
try{
for(int i=5;i>0;i--){
System.out.println(s);
Thread.sleep(ti);
}
} catch(InterruptedException e){
System.out.println("BMS interrupted\n");
}
System.out.println("Exiting: "+t1);
}
}

class cse implements Runnable{
Thread t2;
cse(){
t2=new Thread(this,"cse");
}
public void run(){
try{
for(int i=5;i>0;i--){
```

```
System.out.println("CSE");
Thread.sleep(2000);
}
}
catch(InterruptedException e){
System.out.println("CSE interrupted\n");
}
System.out.println("Exiting: "+t2);
}
}

class threadprg{
public static void main(String args[]){
bms obj1=new bms("BMSCE",10000);
bms obj2=new bms("CSE",2000);
//cse obj2=new cse();
obj1.t1.start();
obj2.t1.start();
}
}
```



Q4 Write a program which create two threads, one thread displaying "BMS college of Engineering" once every ten sec and another displaying "CSE" once every two seconds

```
import java.util.Scanner;
class Bms extends Thread
{ Synchronized public void run()
  { try
  { int i=0;
   for (i=0; i<=5; i++)
    { Sleep (10000);
     SOP ("BMS College of Engineering");
    }
   catch (Exception e)
   { SOP ("Thread interrupted");
   }
}
class cse extends Thread
 { Synchronized public void run()
    { try
    { int i=0;
     for (i=0; i<=10; i++)
      { Sleep (2000);
        S.O.P ("CSE")
}
}
catch (Exception e)
SOP ("Thread interrupted");
}
```

```
class Main
{
public static void main (String args[])
  {
    Bms b1 = new Bms();
    cse c1 = new cse();
    b1.start();
    c1.start();
  }
}
```

Output :

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
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BMS College of Engineering

13/1/2023

```
BMSCE
CSE
CSE
CSE
CSE
CSE
BMSCE
Exiting: Thread[#23,CSE,5,main]
BMSCE
BMSCE
BMSCE
Exiting: Thread[#22,BMSCE,5,main]
```