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();
}
}
```

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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

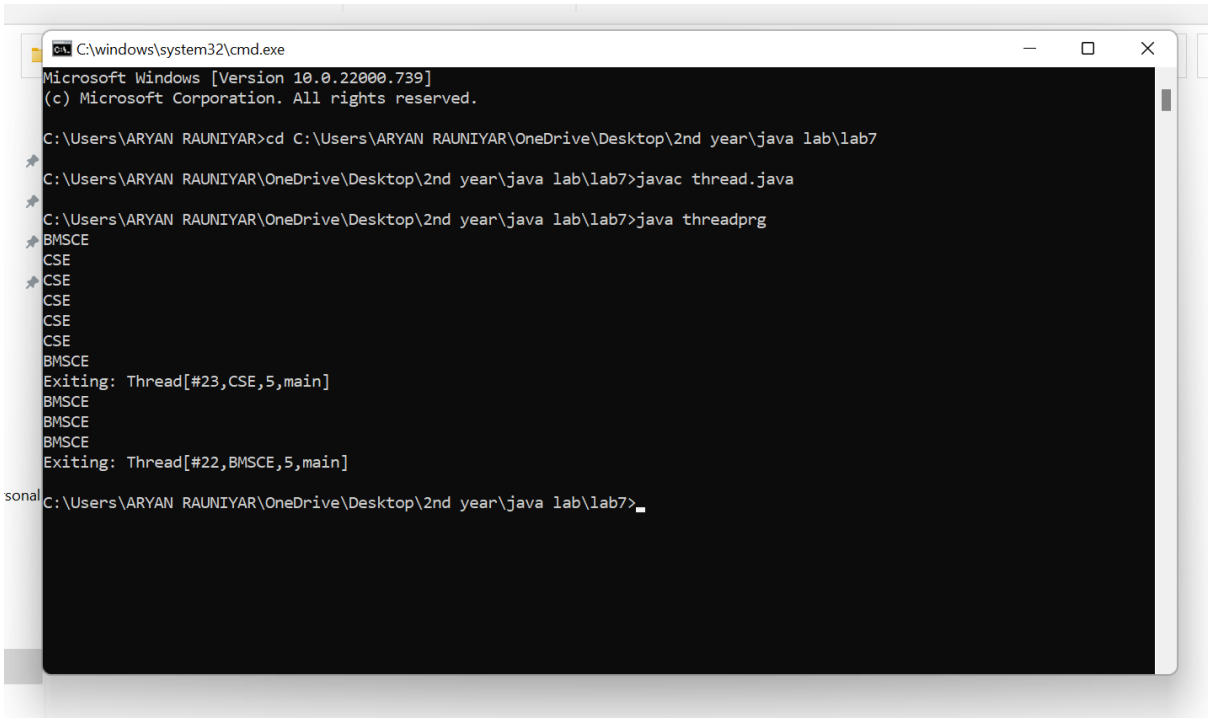
```
class bms implements Runnable
{
  Thread t1;
  String s;
  long ti;

  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.priutln ("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 (Interrupted Exception 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();
    }
}
```

Output

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


C:\windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.739]
(c) Microsoft Corporation. All rights reserved.
C:\Users\ARYAN RAUNIYAR>cd C:\Users\ARYAN RAUNIYAR\OneDrive\Desktop\2nd year\java lab\lab7
C:\Users\ARYAN RAUNIYAR\OneDrive\Desktop\2nd year\java lab\lab7>javac thread.java
C:\Users\ARYAN RAUNIYAR\OneDrive\Desktop\2nd year\java lab\lab7>java threadprg
BMSCE
CSE
CSE
CSE
CSE
CSE
BMSCE
Exiting: Thread[#23,CSE,5,main]
BMSCE
BMSCE
BMSCE
Exiting: Thread[#22,BMSCE,5,main]
C:\Users\ARYAN RAUNIYAR\OneDrive\Desktop\2nd year\java lab\lab7>