Program - 8

Write a pgm which creates two threads; one thread displaying "BMS college of Engineering" once every ten seconds and another displaying "CSE" once every two seconds.

```
class A extends Thread
{
  int t1, time ;
  A(){
    t1 = 10000;
    time = 21000 ;
  }
  public void run ()
  {
   while (t1<= time )
  {
   System.out.println("BMS COLLEGE OF
     ENGINEERING");
   try {
     sleep (10000);
    } catch (Exception e) {

   System.out.println("error");
   }
     t1 += 10000 ;
  }}
}
Class B extends Thread {
  int t2, time ;
```

```
B()
{
  time = 21000;
  t2 = 2000;
}
public void run()
{
  while (t2 <= time)
  {
  System.out.println("CSE");
  try {
     sleep (2000);
    }
    catch (Exception e)
    {
  System.out.println("error");
    }
    t2 += 2000;
  }
}
Class th
{
public static void main (String args[])
  {
    A a = new A();
    B b = new B();
    a.start();
    b.start();
  }
}
```

Output —

BMS COLLEGE OF ENGINEERING
CSE
CSE
CSE
CSE
CSE
BMS COLLEGE OF ENGINEERING
CSE
CSE
CSE
CSE
CSE

Date __/__/__
Page _____

8. Algorithm —

Step 1 : define class A, initialise variable t1 & time

Step 2 : In constructor, set t1 to 10000 & time to 21000.

Step 3 : override run method, while loop to print BMS College of Engineering at interval of 10s.

Step 4 : Define class B extends thread, initialise variable t2 & time

Step 5 : while loop to print CSE every 2 sec.

Step 6 : catch exception and print error

Step 7 : Define the main class, create instance of class A and B.

Step 8 : Start both threads.