

Program 8

Date: 16/2/24
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Write a program which creates 2 threads, one thread displaying "BMS College of Engineering" once every ten seconds & another displaying "CSE" once every two seconds.

Algorithm

1. Start
2. Create a class A that extends to Thread.
3. Initialise $t1 = 0$, $time = 30000$ in constructor of A.
4. Write a ~~class~~ ^{method} run.
 - 5. Use a while loop which runs until the condition $t1 \leq time$ becomes false.
 - 6. Print BMS College of Engineering.
 - 7. Include try, block and use sleep method for 10000s.
 - 8. In catch block, print the statement error if it encounters exception e. Increment $t1 = t1 + 10000$;
5. Create a class B that extends to Thread.
 - 6. Initialise $t2 = 0$, $time = 30000$ in constructor of B.
8. ~~Write~~ Create a method run.
 - 9. Use a while loop which runs until the condition $t2 \leq time$ becomes false.
 - 10. Print CSE
 - 10. Include try, block and call sleep method for 2000s.
 - 11. In catch block, print the statement error if it encounters exception e.
 - 12. Increment $t2 = t2 + 2000$;
11. Create a class Demo.
 - 12. Instantiate object a of datatype A, b of datatype B.
12. Call method start of object A.
13. Call method start of object B.
14. Stop.

class A extends Thread

{
 int t1, time;

A() {

t1 = ~~10000~~ 0;

time = 20000;

}

public void run()

{
 while (t1 <= time)

{
 System.out.println("A: College of Engineering");

try

{
 sleep(10000);

}

catch (^{InterruptedException}Exception e) {

System.out.println("error");

}

t1 += 10000;

}

}

class B extends Thread {

int t2, time;

B() {

time = 20000;

t2 = ~~2000~~ 0;

}

public void run()

{
 while (t2 <= time)

{
 System.out.println("B: CBE");

try {

sleep(9000);

}


```

catch (Exception e)
{
    System.out.println("error");
}

t2 = 2000;
}
}

```

```

class Demo
{
    public static void main (String args[])
    {
        A a = new A();
        B b = new B();
        a.start();
        b.start();
    }
}

```

~~Q. and~~
o/p: Akanksha.V.R., IBM2201001

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16.09.24

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Aakanksha V R,1BM22CS001
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