CSE1322L - Lab 10

Objective:

Using Runnable to employ Multithreading in Java Using Threads to employ Multithreading in C#

Introduction:

will wake up at different times. Hopefully, you can have a nap while they sleep...good luck.

Each thread will run independently. Follow the instructions for your language below:

<u>Java:</u>

Create a Baby class which implements Runnable It should have variables: time (int) and name (String). Write a constructor which takes in a name Set the name variable in the object with the name you were passed. Create a Randomr3i Create a method Run() with no parameters

should be the time you randomly chose. Call Thread.Sleep(time);

You will need to wrap the contents of your run method in a try/catch block, catching ThreadInterruptedException.

Create 5 babies as follows:

Repeat this for b2, b3, b4, b5. They should be named Noah, Olivia, Liam, Emma, Amelia.

Create 5 threads as follows:

Thread t1 = new Thread(b1.Run); Repeat this for t2, t3, t4 and t5.

Sample Output:

```
My name is Noah and I am going to sleep for 3398ms
My name is Olivia and I am going to sleep for 1687ms
My name is Amelia and I am going to sleep for 448ms
My name is Emma and I am going to sleep for 4792ms
My name is Liam and I am going to sleep for 2671ms
My name is Amelia and I'm awake, feed me!!!
My name is Olivia and I'm awake, feed me!!!
My name is Liam and I'm awake, feed me!!!
My name is Noah and I'm awake, feed me!!!
My name is Emma and I'm awake, feed me!!!
```

*Note the order the children will wake up is random

Submission Guidelines:

You will turn in one program.

Please follow the posted submission guidelines here: https://ccse.kennesaw.edu/fye/submissionguidelines.php

Ensure you submit before the deadline listed on the lab schedule for CSE1322L here: <u>https://ccse.kennesaw.edu/fye/courseschedules.php</u>