Name: _____

ISTE-121 – Practice Exercise – class 6b
Threads

Stitch the program together to make threads

Download Thread50.java from MyCourses week 6b. This program has some key parts missing. Look at the code documentation to complete the code. Not all errors are documented. You will find syntax, runtime and logic errors. Executing this program produces something similar to the following output. The order of the <u>thread numbers</u> will be zero through nine. As shown they will be jumbled. Fix the code until you get the following. Make sure what you print out looks similar. Notice the Finish order is in sequence.

```
Hello I am thread  4 finished 1
Hello I am thread  3 finished 2
Hello I am thread  5 finished 3
Hello I am thread  8 finished 4
Hello I am thread  0 finished 5
Hello I am thread  9 finished 6
Hello I am thread  1 finished 7
Hello I am thread  6 finished 8
Hello I am thread  2 finished 9
Hello I am thread  7 finished 10
```

Signoff: _____

Make more threads

Modify the code from the previous exercise to have <u>the thread</u> recognize that <u>it is</u> an even numbered thread and start another thread that is named 50 more than the current even numbered thread. Do not start a new thread if the thread number is greater than 50. Your output may look similar to the following. Notice that thread 56 ended before its parent thread, 6.

```
Hello I am thread  3 finished 1
Hello I am thread 56 finished 2
Hello I am thread  9 finished 3
Hello I am thread  2 finished 4
Hello I am thread 50 finished 5
Hello I am thread  4 finished 6
Hello I am thread  6 finished 7
Hello I am thread  8 finished 8
Hello I am thread 52 finished 9
Hello I am thread 54 finished 10
Hello I am thread  0 finished 11
Hello I am thread  5 finished 12
Hello I am thread  7 finished 13
Hello I am thread  1 finished 14
Hello I am thread 58 finished 15
```

Instructor / TA signoff: _____