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Assignment: Multi-threaded Hello World

Work alone or with a partner. If you work with a partner, then indicate their name below AND make sure that your partner also submits this form so that they get credit.

read, understand, build, run and improve the helloT.c program. See the detailed instructions inside of the source code.

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* Required

Your Name *

Hermann Yepdjio

Partner's Name (if you worked with a partner)

N.A

Read and understand all of code for helloT.c Read man pages for pthreads calls as needed. *



yes, I understand how the code works, specifically the pthread_* calls



Build and run the original helloT.c program as described in the source code. Confirm that the output is similar to what is described in the source code. *

☒ the original helloT code builds and runs as expected

Modify the helloT.c source code so that it creates the correct number of threads and that each thread computes its own unique factorial. Test the code with various input values. *

☒ my modified helloT program is functioning correctly

Upload your completed helloT.c source code. *

 helloT.c ✕


Test your helloT program

test your helloT program by running a sequence of commands similar to this:

```
rm -f output.txt
echo ./helloT 1 > output.txt
./helloT 1 >> output.txt
echo ./helloT 5 >> output.txt
./helloT 5 >> output.txt
echo ./helloT 15 >> output.txt
./helloT 15 >> output.txt
echo ./helloT 25 >> output.txt
./helloT 25 >> output.txt
```

Inspect the output.txt file to make sure that the program is running correctly.

upload your output.txt file to show that your program is running correctly, creating threads, computing factorials in parallel and printing the results correctly. *

 output.txt ✕



Were any parts of this assignment difficult? If so, describe the most difficult part of the assignment, for example, the part that required the most effort for you. *

the most difficult part was to figure how to make sure the argument passed to the function HelloWorld() does not change while a thread is using it

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