

Homework 0: Introductions

Sunday, August 26, 2018

CSE 597

Wenliang Sun

1 Syllabus Acknowledgement

By turning in this assignment, I, Wenliang Sun, acknowledge that I have received and understand the course syllabus information available on `sites.psu.edu/psucse597fall2018`.

2 Introduction

My name is Wenliang Sun. I am a second year master student in the CSE department. My programming experience includes Java-languages. When I compute, I typically use ACI-b-clusters. My research is not computational in nature.

2.1 Accounts

I have gotten an account on ACI using `https://ics.psu.edu/?page_id=57`. My ACI username is wzs51.

I have gotten an account on XSEDE using `https://portal.xsede.org/my-xsede?p_p_id=58&p_p_lifecycle=0&p_p_state=maximized&p_p_mode=view&saveLastPath=0&_58_struts_action=%2Flogin%2Fcreate_account`. My username is nitt25.

I will be making my assignments available using github. My username is Wiliam0617.

2.2 My Course Project

I am currently thinking about choosing Laplaces Equation as my $Ax = b$ problem for the semester project. I believe that this will be a good project because

- The equation is wide-used.
- The equation is various physical fieds.

3 HW 0 Code and Writeup

You can get my assignment onto ACI using the command:

```
git clone USERID@aci-b.aci.ics.psu.edu:/storage/work/a/awl5173/toShare/cse597_fall2018/hw0/psu_cse597-0
```

* Note, test this with us in class or with another person who isn't in the same group(s) as you.

3.1 Program overview

This is a serial hello world program, written in C. There is only one code file. The repository also contains the makefile for creating the executable, a readme, licensing information and the tex file for the write-up.

3.2 Instructions for running and verifying the code

Creating the executable:

```
module load gcc/7.3.1
make
```

Running the program:

```
./wenliang_helloWorld.out
```

Expected output:

```
wenliang says "Hello, World!"
```

3.3 Instructions for compiling the write-up

I used ACI to compile the document. You can do this using the command:

```
./pdfmake.sh
```

4 Acknowledgements

I would like to acknowledge Dr. Adam Lavelly for teaching the course. It is really helpful, I will try my best to learn this course in the semester.

References