

ECE531: Advanced Operating Systems – Spring 2023
Homework 1 – Intro to Operating Systems

Due: Friday, 8 September 2023, 5:00pm

Put your answers in some sort of document (.txt, .pdf, .doc) and submit via e-mail.

1. Operating System Questions

- (a) What is one of the benefits to using an operating system?

- (b) What is one downside to using an operating system?

- (c) Why is the C language often used for programming operating systems?

- (d) What is one negative consequence of using C for writing operating systems?

2. Operating System Research

Research an operating system of your choice that is **not** Linux, Windows, or Mac OSX and answer the following questions:

- (a) What is it called?
- (b) What company is responsible for it?
- (c) When was it first released?
- (d) How much does it cost? (this might be hard to find out in some cases, just do your best)
- (e) What type of hardware does it run on?
- (f) Why does it exist (what features set it apart from other operating systems)?

3. Raspberry Pi Survey

- (a) Will you have a Raspberry Pi of your own for this class, or will you need to borrow one?
- (b) What model of Raspberry Pi will you be using?

4. Submit your work

- Put your answers into a file and e-mail it to me `vincent.weaver@maine.edu` by the deadline.