

Week 10

Interviewing

1. What are the five steps to the interviewing process discussed in the slides?

STEP 0: PREPARATION

STEP 1: APPLICATION

STEP 2: FIRST SCREEN

STEP 3: ONSITE INTERVIEWS

STEP 4: OFFER\

2. What are three resources that can help you prepare for technical interviews?

Cracking the coding interview Leet Code Study common patterns (e.g. <https://hackernoon.com/14-patterns-to-ace-any-coding-interviewquestion-c5bb3357f6ed>)

Floating Point

3. What are the various parts of a floating point number? Name each part and briefly describe it.

sign: whether the number is above/below 0 exponent: how large the number is mantissa: precision

4. What is the main difference between double and single precision?

The range/precision of the number they can represent.

5. Of the algorithms for summing n numbers, which do you think is the best to use in most cases? Said another way, which algorithm do you think the sum function would use in a programming language, such as Python? Briefly explain.

Mostly double floating point calculations, when possible integer calculations. It is faster while the precision is not too bad