Up coming schedule
Tokenizer assignment
Compilers/interpreters

Zoom Wed
Cok Fri

One of the first steps in building an interprete or a compiler is building a tokenizer a token is a single unit of text in the language that is meaningful

Compilers linterpreters

A common modern approach involves multiple stages. (Oracle) Java \$ javac Hello.java > Hello.class - compiles to a love level language Called "Java byte code" \$ java Hello (don't specify class but it runs that file) Gold Draile Java ran an interpreter On the bytecode to execute the program

python.org Python

\$ python 3 hello.py = hello.pyc
compliles to (Python byte
and then runs an code)
interprete on the pyc file

Why this complexity?
It you compile all the way to
machine language, your compiled
tile work on different
Processors.
Soinstead, compile to a processor-
independent middle language and
then our aniste preter on it
which has been designed for
each processor
Another advantage is just separating
Another advantage is just separating different jobs to different programs
Back to Javai modern versions
don't interpret the byte code,
they do "just in time" compiling.
$\left( \int \int \int d^{3} d$

compiles on-the-fly while program
is running