coding conventions (or style guidelines)

most programming & scripting languages
have a publicly available "standard"
style guide, which may (or may not)
address filel director structure as
well as code. Why?

Some languages have multiple mutually mompatible coding conventions, probably posted by different organizations

you're probably already using some codms conventions

a few examples are linked on convas, we will look at the google guide for Java - open sections

there are numerous "style checkers", often as IDE plugms, that enforce otyles

sometimes style chechs are built mto a more general checher, generically known as a statiz analysis tool or statiz analysis tool or state analysis = anything a tool (or human) can do just by looking at the code, without running it

dynamic analysis - checking, monitoring, testing, etc. the code while executing with specific mputs (would set of inputs)

m addition to checking that code conforms to coding conventions, can also detect "patterns" in the code that meet certain criteria

one thing they can look for is

make mantenance (or changes during development - next iteration)
more difficult, thus likely to
lead to bugs

basically badly written code

what are some "code smells"?
go through code smells list
on course work

many checkers listed at link
on canvas - if your favorite
programming language isn't
here, or the checkers it lists
arentavailable or usable,
ash google (try:t)

teams will be asked to run checkers on their project code, later on

for now, for practice, the first homework is to run a checker on some small program you alread, wrote (or can find on line)

go through 1st assignment