COP 3330 2/18/29

1) QUIZ FRI

2) HAS-A RELATIONSHIP

⟶ MOST

Static methods
1D arrays
2D arrays
} MOST
role
formal
parameters
layout methods

↳ Question   Classes

↳ I give methods from 2 classes
you use them to solve a problem

Book Class — author, #pages, title, ~~etc~~ numPagesRead
publish
year
• read()
• pagesleft()

Series Class one of
more Book obj
in an array

Series Object HAS-A Book Object
Book Object HAS-A Date Object
Book Object HAS-A String Object
HAS-A relationship; an instance variable of
CLASS A is of type/class B.

If   you   do

   Obj. method ( )
OR   Obj. var

and   Obj   isn't referencing anything,
It crashes the   program
         Null Ptr Exception
It's good practice to set these to null
So   we   can   check   for it.

books[numBooks++] = newBook
         10