

- In assignment
int a = ...
int b = ...

→ what is double type

This.

→ refers to instance variable

Lecture 5 start

Complex number ~~node~~ class

- ↳ complex numbers immutable in this example
- ↳ to add or mult complex numbers must create new complex number

double type is float type w/ 8 bits instead of 4

~~for~~ (int

int i;

for (i=0; i<5; i++) {

→ for loop that iterates 5 times

CP 213 Lecture 6 start Sept 21st 2016 CE

for x & y where x → type 1 y = type 2

you can't write x = y unless type 2 is a

subobject / subclass of type 1

object

(The reverse isn't true)

double ← int ← short ← char

type 1
type 2

In Java no global variables → only local

↳ variable must be associated w/ class

Can't double declare variables

All control statements require brackets for booleans/condition

if (condition)

{ statement T }

else { statement F }

else if

Will run at least once

do { statement }

while (condition)

while (condition)

{ statement }