Access Modifiers

Private- Class-level access

Can have private inner classes (class w/in a class)

Can be used on classes, variables, methods, and constructors

Public- Least restricted class

Any class in any package

Apply to classes, variables, methods, and constructors

Protected- Access restricted to inheritance or w/in package

Apply to variables and methods only

Default- Package-level access (Package Private)

No “default” keyword (Innate)

Apply to classes, variables, methods, and constructors

Can’t see default by importing

JAVA IS A LANGUAGE THAT PASSES BY VALUE (reference type is memory address)

Bit Depth- How much space a certain type of data takes up

boolean- Depends on JVM

byte- 8 bits

char- 16 bits

int/float- 32 bits

long- 64 bits

Widening- fitting smaller size data into a larger data type

Narrowing- fitting larger size data into a smaller data type

Loses accuracy and precision