Storing large integers:

① Big Integer $\longrightarrow$ Object

                                        ↳ java.lang.Number

extends Number,
implements Comparable
     < Big Integer>

                                java.math.BigInteger

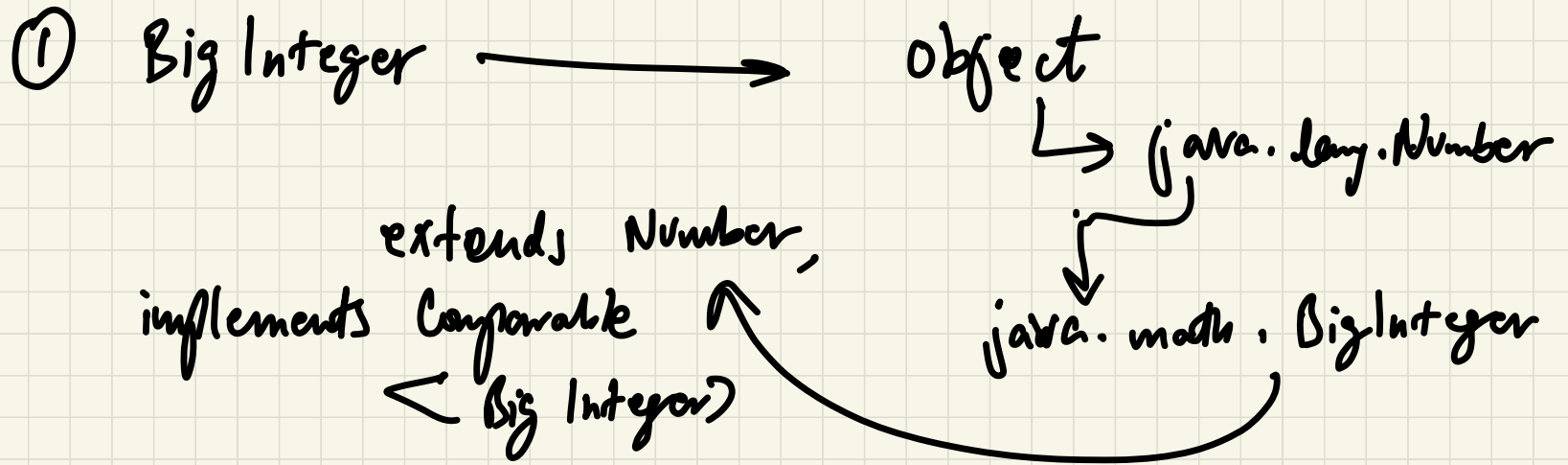Range: $-2^{\text{Integer.MAX\_VALUE}}$ $-$ $2^{\text{Integer.MAX\_VALUE}}$
                          (exclusive)   (exclusive)

Big Decimal:

& why?   float & double are (floating pt. nos.)

binary representation of a fraction and a exponent.

i.e. why they give some error (10^{-19}).

But: Big Decimal gives exact answer.

Object

$\quad\quad\quad\llcorner\longrightarrow$ Number

$\quad\quad\quad\quad\quad\quad\quad\llcorner\longrightarrow$ Big Decimal

Range :   It contains a random precision int unscaled
value & 32-bit int scale.

$\geq 0 \implies$ Scale = no. of digits right of
decimal point

else : unscale value = 10^{-scale}