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RANGE OF DOUBLE

-> double takes 8 bytes of memory

-> smallest positive non zero number is 4.9×10^{-324}

-> Range : $-1.7976931348623157 \times 10^{308}$ to $1.7976931348623157 \times 10^{308}$

DOUBLE data type in java stores a decimal value with 16 total digits of precision.

RANGE OF FLOAT

-> float takes 4 bytes of memory

-> smallest positive non zero number is 1.4×10^{-45}

-> Range : -3.4028235E38F to 3.4028235E38F

FLOAT data type in java stores a decimal value with 6 to 7 total digits of precision.