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Assignment on range of data stored in float and double datatype and How many digits of decimal points stored in float and double

1. Range of data stored in float and double datatypes?

Float and double data types are used to handle real numbers data. And for float==> 4 bytes of memory is required(4*8=32 bytes) for double==> 8 bytes of memory is required(8*8=64 bytes)

Float datatype is used to store

Lowest range of float datatype: 1.4E-45

(E represents 10 to the power of)

Highest range of float datatype: 3.4E+38

Double datatype is used to store

Lowest range of double datatype: 4.9E-324

(E represents 10 to the power of)

Highest range of double datatype: 1.8E+308

179,769,313,486,231,570,814,527,423,731,704,356,443,098,521,914,4...

2. How many digits of decimal points stored in float and double?

float: Roughly 6-9 decimal digits of precision **double**: Roughly 15-17 decimal digits of precision