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Matlab always works in double precision (unless you are using the Symbolic Math Toolbox), but output display can be changed with the "format" command. From the Matlab prompt,

```
>> help format

FORMAT Set output format.
All computations in MATLAB are done in double precision.
FORMAT may be used to switch between different output
display formats as follows:
  FORMAT          Default. Same as SHORT.
  FORMAT SHORT    Scaled fixed point format with 5 digits.
  FORMAT LONG     Scaled fixed point format with 15 digits.
  FORMAT SHORT E  Floating point format with 5 digits.
  FORMAT LONG E   Floating point format with 15 digits.
  FORMAT SHORT G  Best of fixed or floating point format with 5 digits.
  FORMAT LONG G   Best of fixed or floating point format with 15 digits.
  FORMAT HEX      Hexadecimal format.
  FORMAT +        The symbols +, - and blank are printed
                  for positive, negative and zero elements.
                  Imaginary parts are ignored.
  FORMAT BANK     Fixed format for dollars and cents.
  FORMAT RAT      Approximation by ratio of small integers.

Spacing:
  FORMAT COMPACT  Suppress extra line-feeds.
  FORMAT LOOSE    Puts the extra line-feeds back in.
```