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Core Commands

List

List all command names.

Short Name	Long Name	Description
-d	--description	Include the description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc list
```

```
carto map
filter cql2xml
geometry convert
geometry dd2pt
geometry geohash bounds
geometry geohash decode
geometry geohash encode
geometry geohash neighbors
geometry greatcirclearc
geometry offset
...
```

List all commands names with a short description.

```
geoc list -d
```

```
carto map = Create a cartographic map
filter cql2xml = Convert a CQL statement to an OCG XML Filter
geometry convert = Convert a geometry from one format to another
geometry dd2pt = Convert a decimal degrees formatted string into a Point
geometry geohash bounds = Calculate the geohashes for the given bounds
geometry geohash decode = Decode a GeoHash to a Geometry.
geometry geohash encode = Encode a Geometry as a GeoHash
geometry geohash neighbors = Get a geohash's neighbors
geometry greatcirclearc = Create a great circle arc.
geometry offset = Create a Geometry offset from the input Geometry
...
```

Version

Get the current version.

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc version
```

```
0.20.0-SNAPSHOT
```

Help

You can get help from any subcommand.

```
geoc vector buffer --help
```

```
geoc vector buffer: Buffer the features of the input Layer and save them to the output
Layer
 --help                       : Print the help message (default: true)
 --web-help                   : Open help in a browser (default: false)
 -c (--capstyle) VAL          : The cap style (default: round)
 -d (--distance) VAL          : The buffer distance
 -i (--input-workspace) VAL   : The input workspace
 -l (--input-layer) VAL       : The input layer
 -o (--output-workspace) VAL : The output workspace
 -q (--quadrantsegments) N    : The number of quadrant segments (default: 8)
 -r (--output-layer) VAL      : The output layer
 -s (--singlesided)           : Whether buffer should be single sided or not
                                (default: false)
```

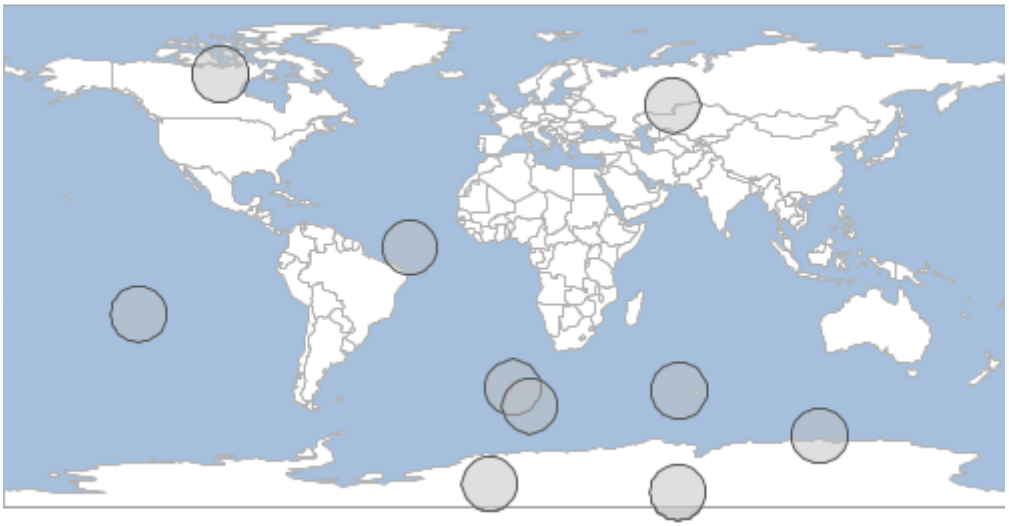
Pipe

Combine multiple commands together with a pipe.

Short Name	Long Name	Description
-c	--commands	Commands separate by pipe
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc pipe -c vector randompoints -n 10 -g -180,-90,180,90 | vector buffer -d 10
```

```
"id:Integer","the_geom:Polygon:EPSG:4326"
"0","POLYGON ((13.198111568031578 -47.43522407111942, 13.005964372063882
-49.3861272912807, 12.436906893144446 -51.26205839477032, 11.51280769105703
-52.99092640131544, 10.269179379897054 -54.5062918829849, 8.753813898227602
-55.74992019414488, 7.024945891682476 -56.67401939623229, 5.149014788192861
-57.24307687515173, 3.1981115680315786 -57.43522407111942, 1.2472083478702962
-57.24307687515173, -0.6287227556193189 -56.67401939623229, -2.357590762164442
-55.74992019414488, -3.8729562438338965 -54.5062918829849, -5.116584554993874
-52.99092640131544, -6.04068375708129 -51.26205839477032, -6.609741236000726
-49.38612729128071, -6.801888431968422 -47.43522407111942, -6.609741236000726
-45.484320850958134, -6.04068375708129 -43.60838974746852, -5.116584554993876
-41.8795217409234, -3.872956243833899 -40.364156259253946, -2.3575907621644436
-39.120527948093965, -0.6287227556193251 -38.19642874600656, 1.2472083478702916
-37.62737126708712, 3.1981115680315764 -37.43522407111942, 5.149014788192861
-37.62737126708711, 7.024945891682478 -38.19642874600655, 8.753813898227596
-39.120527948093965, 10.269179379897052 -40.364156259253946, 11.51280769105703
-41.8795217409234, 12.436906893144442 -43.608389747468514, 13.00596437206388
-45.484320850958134, 13.198111568031578 -47.43522407111942))"
...
```

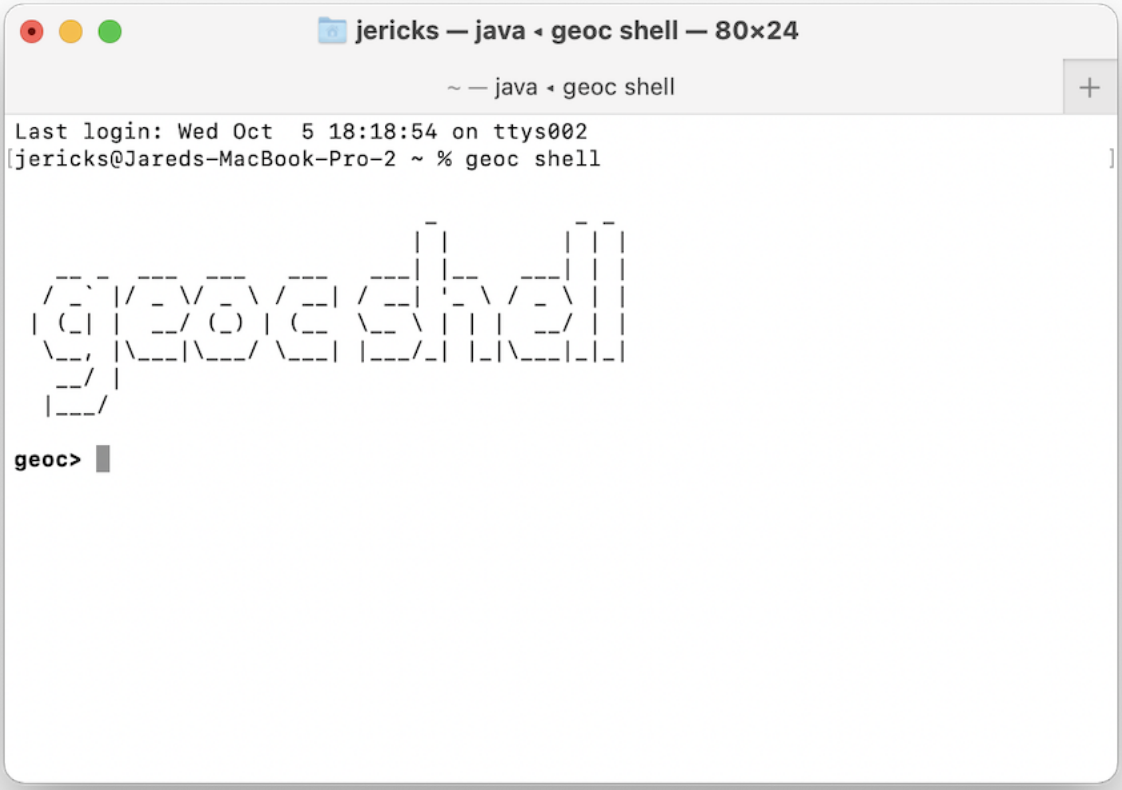


Shell

Run commands in an interactive shell.

Short Name	Long Name	Description
	--help	Print the help message
	--web-help	Open help in a browser

```
geoc shell
```

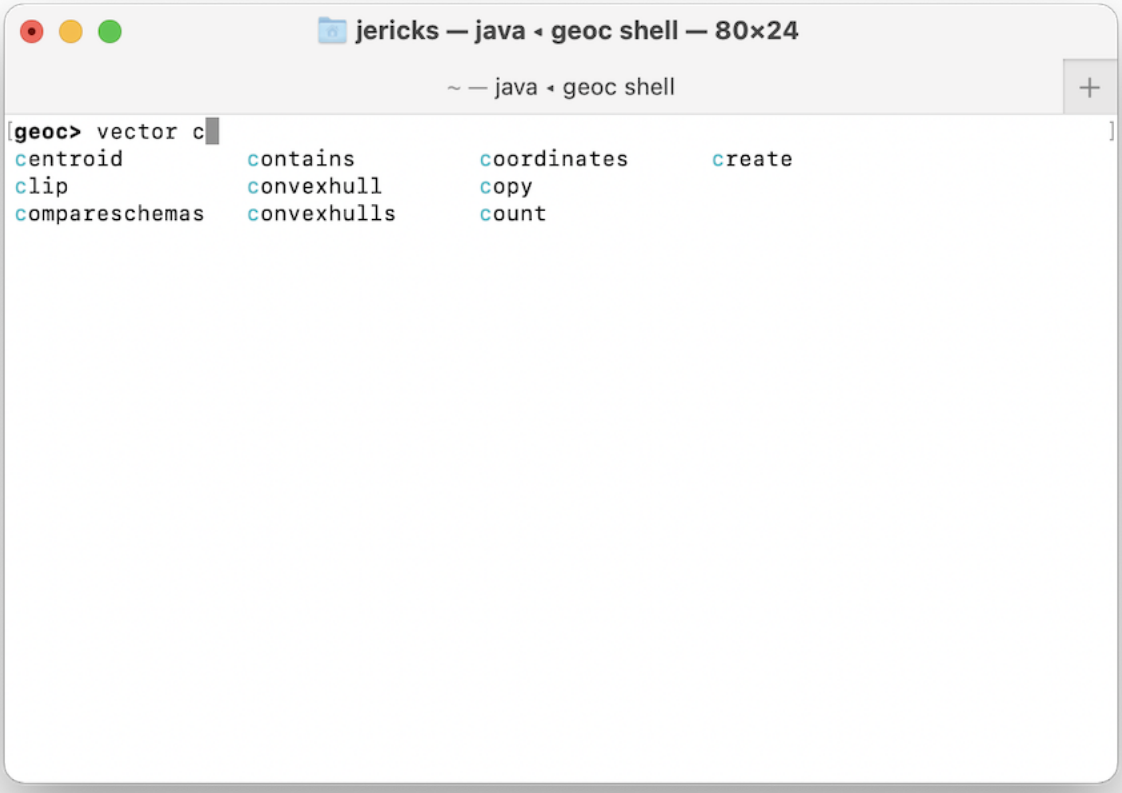


You can now type commands in the interactive shell.

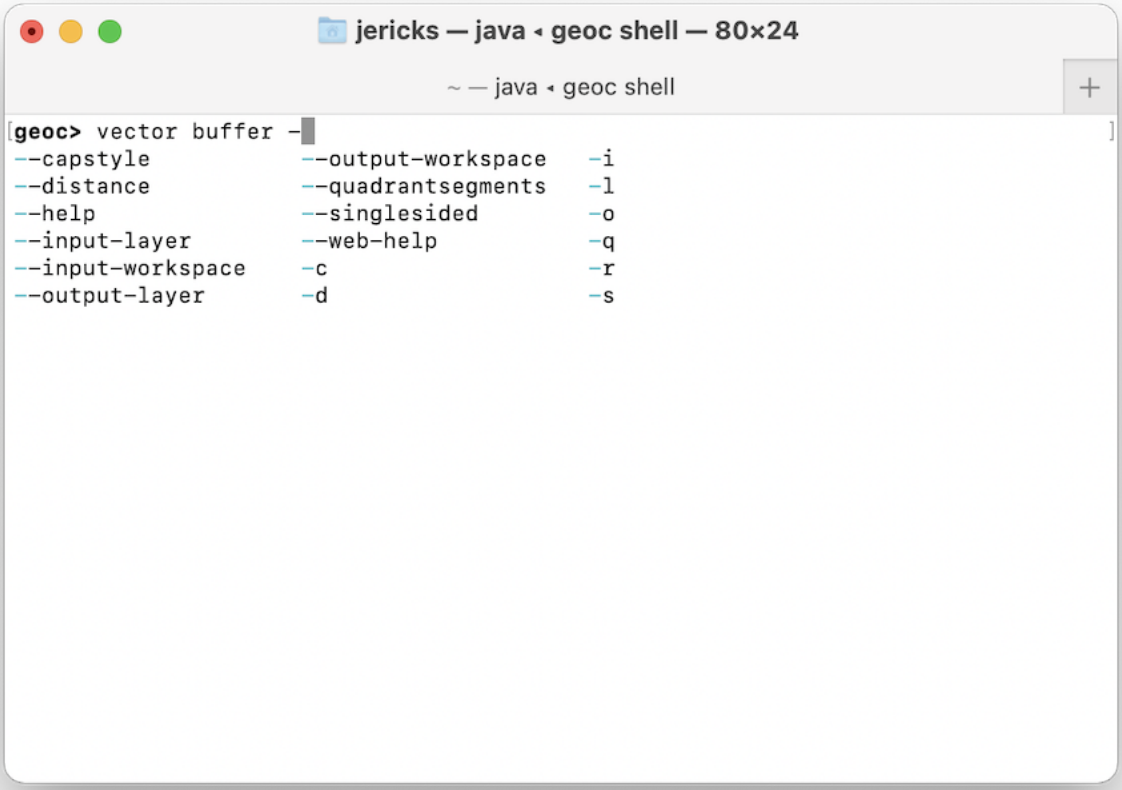
If you hit the **tab** key you can get command line completion.

You can use the tab key again to cycle through the suggested values and hit the **return** key to select one.

In this example, we are looking for the vector contains command, so after typing vector c and hitting tab, we get a list of all vector commands that begin with the letter c.



Once we have found our command, the shell will also provide completion for options.


jericks — java ◂ geoc shell — 80×24
~ — java ◂ geoc shell
geoc> vector buffer -
--capstyle
--distance
--help
--input-layer
--input-workspace
--output-layer
--output-workspace
--quadrantsegments
--singlesided
--web-help
-c
-d
-i
-l
-o
-q
-r
-s