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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
```

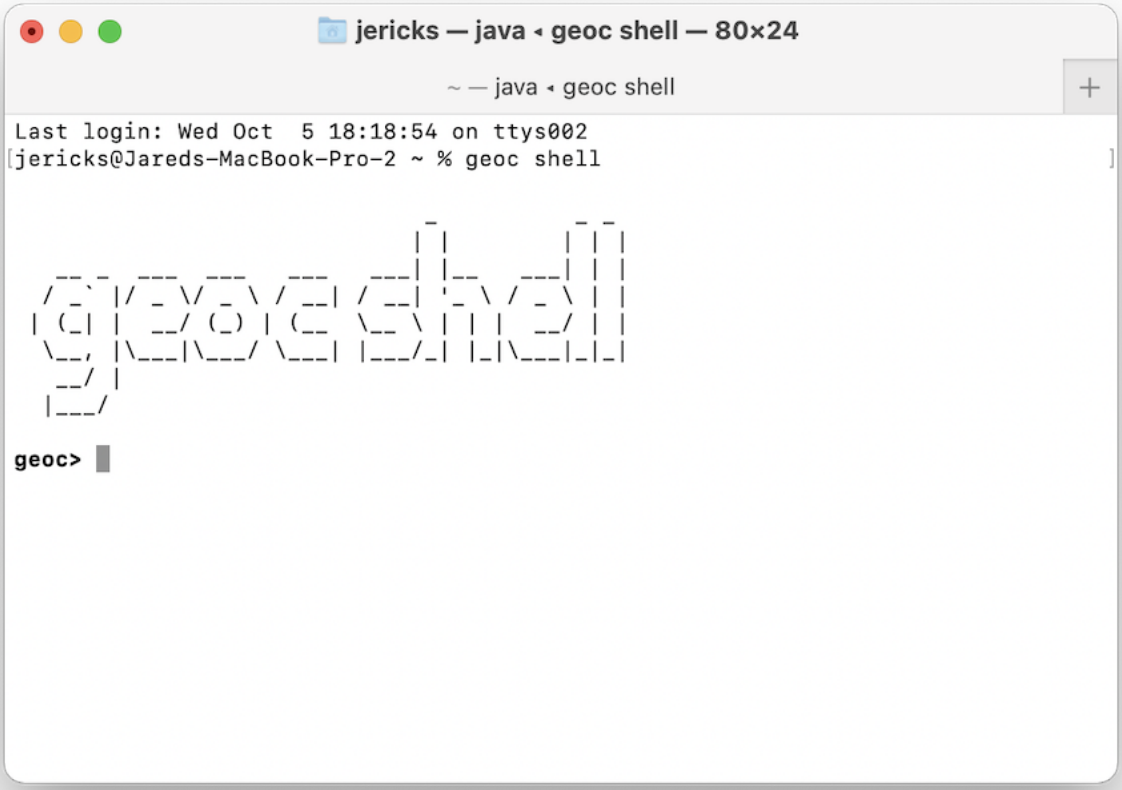
```
"id:Integer","the_geom:Polygon:EPSG:4326"
"0","POLYGON ((-0.1118800796642745 60.73547864109989, -0.3040272756319702
58.78457542093861, -0.8730847545514067 56.90864431744899, -1.797183956638822
55.17977631090387, -3.040812267798799 53.66441082923441, -4.556177749468252
52.42078251807443, -6.285045756013377 51.49668331598702, -8.160976859502991
50.92762583706758, -10.111880079664274 50.73547864109989, -12.062783299825556
50.92762583706758, -13.93871440331517 51.49668331598702, -15.667582409860294
52.42078251807443, -17.18294789152975 53.66441082923441, -18.426576202689727
55.17977631090387, -19.350675404777142 56.90864431744899, -19.91973288369658
58.7845754209386, -20.111880079664274 60.73547864109989, -19.91973288369658
62.686381861261175, -19.350675404777142 64.56231296475079, -18.42657620268973
66.29118097129592, -17.18294789152975 67.80654645296536, -15.667582409860296
69.05017476412534, -13.938714403315178 69.97427396621275, -12.062783299825561
70.5433314451322, -10.111880079664276 70.73547864109989, -8.160976859502991
70.5433314451322, -6.285045756013375 69.97427396621275, -4.556177749468256
69.05017476412534, -3.0408122677988008 67.80654645296536, -1.797183956638822
66.29118097129592, -0.8730847545514102 64.56231296475079, -0.304027275631972
62.686381861261175, -0.1118800796642745 60.73547864109989))"
...
```

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
```

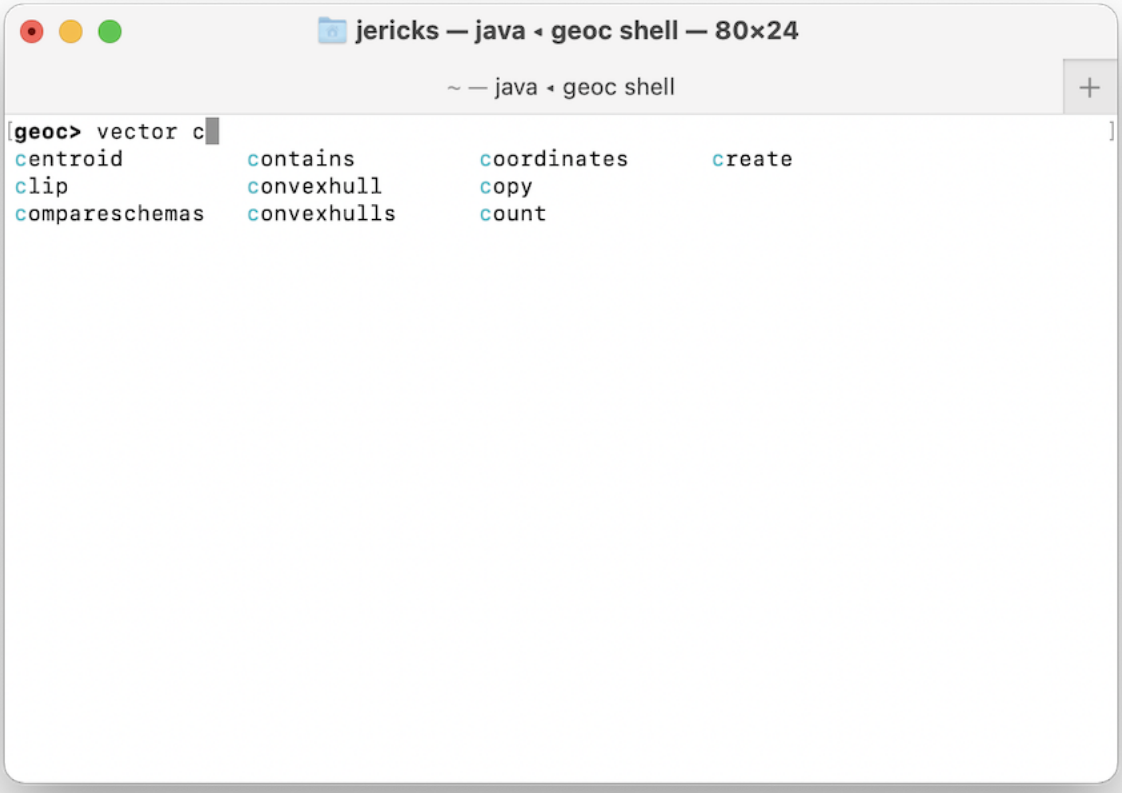


You can now type commands in the interactive shell.

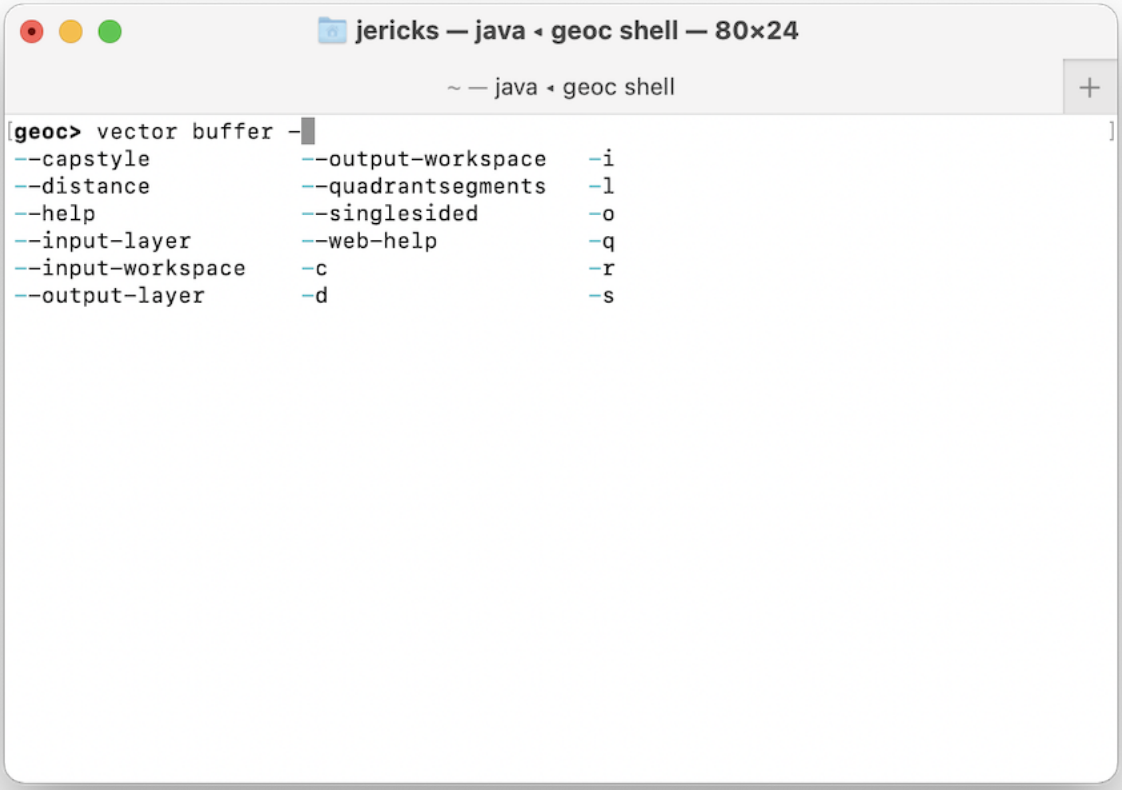
If you hit the **tab** key you can get command line completion.

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