```
>> rundcpf('case14')

MATPOWER Version 7.0b1, 31-Oct-2018 -- DC Power Flow

Converged in 0.00 seconds
================================================================================
|     System Summary                                                           |
================================================================================

How many?                How much?              P (MW)            Q (MVAr)
---------------------    -------------------  -------------  -----------------
Buses             14     Total Gen Capacity     772.4           0.0 to 0.0
Generators         5     On-line Capacity       772.4           0.0 to 0.0
Committed Gens     5     Generation (actual)    259.0               0.0
Loads             11     Load                   259.0               0.0
  Fixed           11       Fixed                259.0               0.0
  Dispatchable     0       Dispatchable          -0.0 of -0.0      -0.0
Shunts             0     Shunt (inj)            -0.0               0.0
Branches          20     Losses (I^2 * Z)        0.00              0.00
Transformers       3     Branch Charging (inj)    -               0.0
Inter-ties         0     Total Inter-tie Flow    0.0              0.0
Areas              1

                         Minimum                      Maximum
                  -------------------------  --------------------------------
Voltage Magnitude   1.000 p.u. @ bus 1          1.000 p.u. @ bus 1
Voltage Angle     -17.19 deg   @ bus 14         0.00 deg   @ bus 1

================================================================================
|     Bus Data                                                                 |
================================================================================
 Bus      Voltage          Generation             Load
  #   Mag(pu) Ang(deg)   P (MW)   Q (MVAr)   P (MW)   Q (MVAr)
----- ------- --------  --------  --------  --------  --------
    1  1.000    0.000*  219.00      0.00       -         -
    2  1.000   -5.012    40.00      0.00     21.70      0.00
    3  1.000  -12.954     0.00      0.00     94.20      0.00
    4  1.000  -10.584       -         -      47.80      0.00
    5  1.000   -9.094       -         -       7.60      0.00
    6  1.000  -14.852     0.00      0.00     11.20      0.00
    7  1.000  -13.907       -         -         -         -
    8  1.000  -13.907     0.00      0.00       -         -
    9  1.000  -15.695       -         -      29.50      0.00
   10  1.000  -15.974       -         -       9.00      0.00
   11  1.000  -15.619       -         -       3.50      0.00
   12  1.000  -15.967       -         -       6.10      0.00
   13  1.000  -16.140       -         -      13.50      0.00
   14  1.000  -17.188       -         -      14.90      0.00
                        --------  --------  --------  --------
               Total:    259.00      0.00    259.00      0.00
```

Branch Data								
Brnch #	From Bus	To Bus	From Bus Injection P (MW)	From Bus Injection Q (MVAr)	To Bus Injection P (MW)	To Bus Injection Q (MVAr)	Loss (I^2 * Z) P (MW)	Loss (I^2 * Z) Q (MVAr)
1	1	2	147.84	0.00	-147.84	0.00	0.000	0.00
2	1	5	71.16	0.00	-71.16	0.00	0.000	0.00
3	2	3	70.01	0.00	-70.01	0.00	0.000	0.00
4	2	4	55.15	0.00	-55.15	0.00	0.000	0.00
5	2	5	40.97	0.00	-40.97	0.00	0.000	0.00
6	3	4	-24.19	0.00	24.19	0.00	0.000	0.00
7	4	5	-61.75	0.00	61.75	0.00	0.000	0.00
8	4	7	28.36	0.00	-28.36	0.00	0.000	0.00
9	4	9	16.55	0.00	-16.55	0.00	0.000	0.00
10	5	6	42.79	0.00	-42.79	0.00	0.000	0.00
11	6	11	6.73	0.00	-6.73	0.00	0.000	0.00
12	6	12	7.61	0.00	-7.61	0.00	0.000	0.00
13	6	13	17.25	0.00	-17.25	0.00	0.000	0.00
14	7	8	0.00	0.00	-0.00	0.00	0.000	0.00
15	7	9	28.36	0.00	-28.36	0.00	0.000	0.00
16	9	10	5.77	0.00	-5.77	0.00	0.000	0.00
17	9	14	9.64	0.00	-9.64	0.00	0.000	0.00
18	10	11	-3.23	0.00	3.23	0.00	0.000	0.00
19	12	13	1.51	0.00	-1.51	0.00	0.000	0.00
20	13	14	5.26	0.00	-5.26	0.00	0.000	0.00
						Total:	0.000	0.00

>>