

Exercise 1

```
Administrator: Anaconda
Added C:\Anaconda and C:\Anaconda\Scripts to PATH.

C:\Anaconda>conda install seaborn
Fetching package metadata: ....
Solving package specifications: .
Package plan for installation in environment C:\Anaconda:

The following packages will be downloaded:

package | build | size
-----|-----|-----
conda-env-2.4.2 | py27_0 | 63 KB
pyyaml-3.11 | py27_2 | 167 KB
setuptools-18.1 | py27_0 | 646 KB
wheel-0.24.0 | py27_0 | 116 KB
conda-3.17.0 | py27_0 | 216 KB
pip-7.1.2 | py27_0 | 1.4 MB
scipy-0.16.0 | np19py27_0 | 83.7 MB
seaborn-0.6.0 | np19py27_0 | 248 KB
-----|-----|-----
Total: | 86.5 MB

The following NEW packages will be INSTALLED:

seaborn: 0.6.0-np19py27_0
wheel: 0.24.0-py27_0

The following packages will be UPDATED:

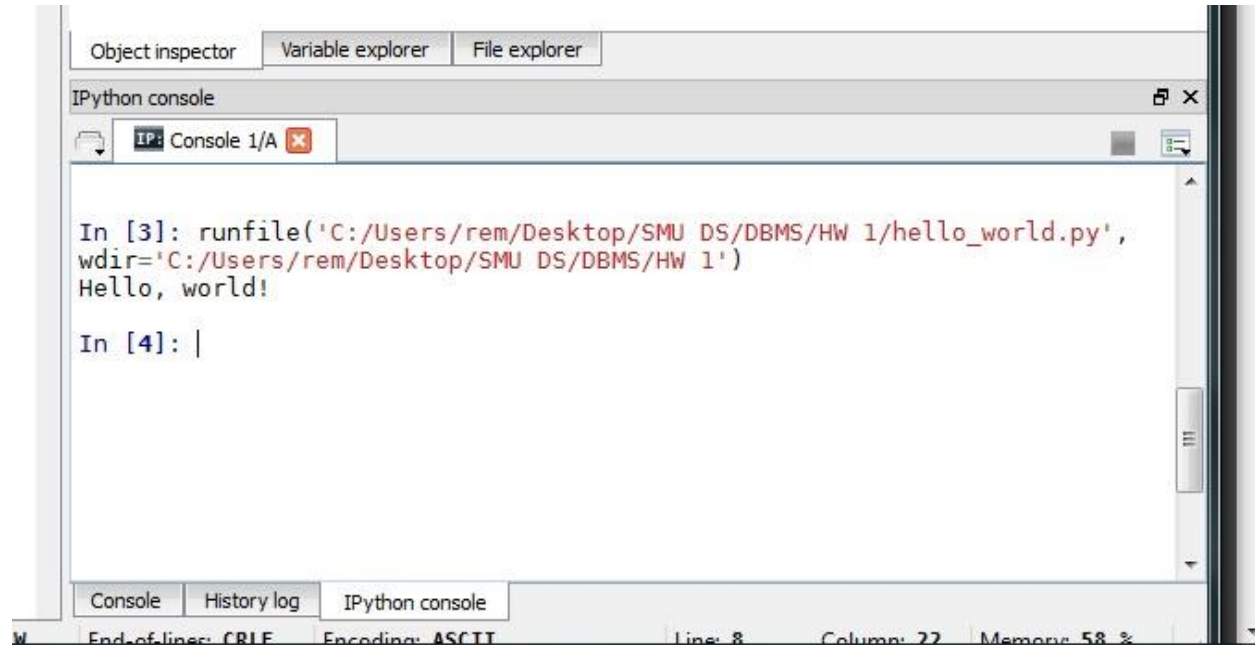
conda: 3.14.1-py27_0 --> 3.17.0-py27_0
conda-env: 2.2.3-py27_0 --> 2.4.2-py27_0
pip: 7.0.3-py27_0 --> 7.1.2-py27_0
pyyaml: 3.11-py27_1 --> 3.11-py27_2
scipy: 0.15.1-np19py27_0 --> 0.16.0-np19py27_0
setuptools: 17.1.1-py27_0 --> 18.1-py27_0

Proceed ([y]/n)? y

Fetching packages ...
conda-env-2.4.100% |#####| Time: 0:00:00 231.00 kB/s
pyyaml-3.11-py100% |#####| Time: 0:00:00 224.80 kB/s
setuptools-18.100% |#####| Time: 0:00:01 392.84 kB/s
wheel-0.24.0-p100% |#####| Time: 0:00:00 242.60 kB/s
conda-3.17.0-p100% |#####| Time: 0:00:01 191.37 kB/s
pip-7.1.2-py27100% |#####| Time: 0:00:05 278.58 kB/s
scipy-0.16.0-n100% |#####| Time: 0:01:43 845.00 kB/s
seaborn-0.6.0-100% |#####| Time: 0:00:00 266.58 kB/s
Extracting packages ...
[ COMPLETE ] |#####| 100%
Unlinking packages ...
[ COMPLETE ] |#####| 100%
Linking packages ...
[ COMPLETE ] |#####| 100%

C:\Anaconda>
```

Exercise 2

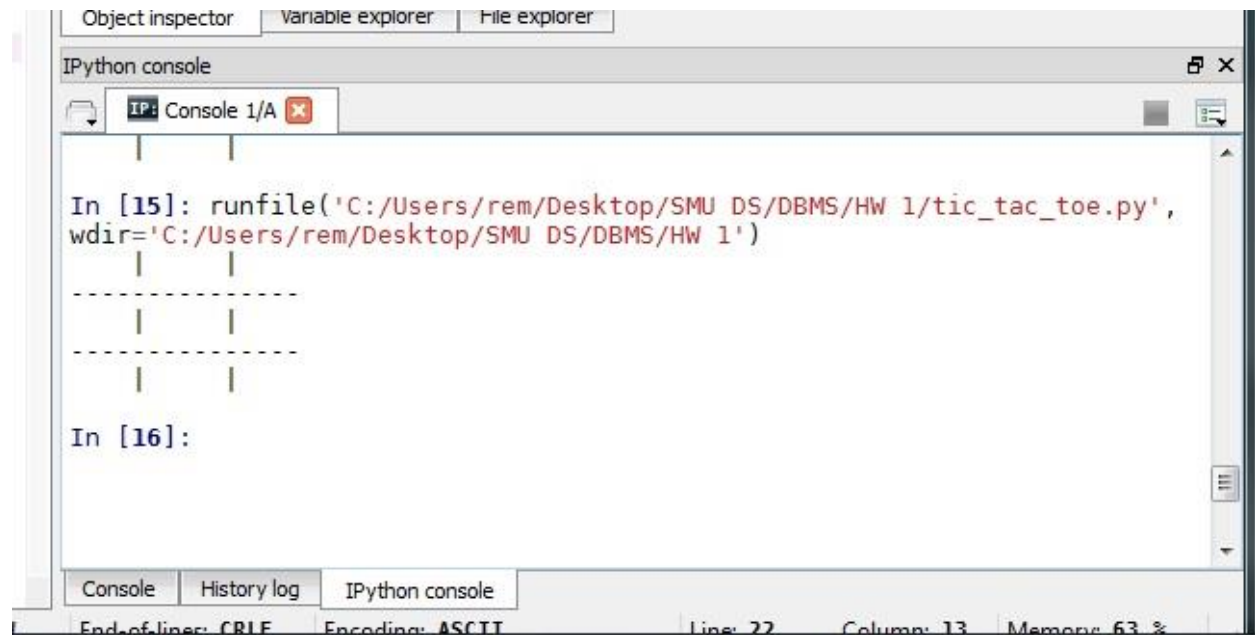


The screenshot shows an IPython console window with tabs for 'Object inspector', 'Variable explorer', and 'File explorer'. The console window has a title bar 'IPython console' and a tab 'IP: Console 1/A'. The input prompt 'In [3]:' is followed by the command `runfile('C:/Users/rem/Desktop/SMU DS/DBMS/HW 1/hello_world.py', wdir='C:/Users/rem/Desktop/SMU DS/DBMS/HW 1')`. The output of the script is 'Hello, world!'. The input prompt 'In [4]:' is followed by a vertical bar '|'. The status bar at the bottom shows 'End-of-line: CRLF', 'Encoding: ASCII', 'Line: 8', 'Column: 22', and 'Memory: 58 %'.

```
In [3]: runfile('C:/Users/rem/Desktop/SMU DS/DBMS/HW 1/hello_world.py',
wdir='C:/Users/rem/Desktop/SMU DS/DBMS/HW 1')
Hello, world!

In [4]: |
```

Exercise 3



The screenshot shows an IPython console window with tabs for 'Object inspector', 'Variable explorer', and 'File explorer'. The console window has a title bar 'IPython console' and a tab 'IP: Console 1/A'. The input prompt 'In [15]:' is followed by the command `runfile('C:/Users/rem/Desktop/SMU DS/DBMS/HW 1/tic_tac_toe.py', wdir='C:/Users/rem/Desktop/SMU DS/DBMS/HW 1')`. The output of the script is a 3x3 tic-tac-toe grid represented by vertical bars and dashed lines. The input prompt 'In [16]:' is followed by a vertical bar '|'. The status bar at the bottom shows 'End-of-line: CRLF', 'Encoding: ASCII', 'Line: 22', 'Column: 13', and 'Memory: 63 %'.

```
In [15]: runfile('C:/Users/rem/Desktop/SMU DS/DBMS/HW 1/tic_tac_toe.py',
wdir='C:/Users/rem/Desktop/SMU DS/DBMS/HW 1')
| | |
| | |
| | |
| | |
| | |
| | |
| | |

In [16]: |
```

(game next page)

```
IPython console
IP: Console 1/A
D3/DBMS/HW 1 /
1 | 2 | 3
-----
4 | 5 | 6
-----
7 | 8 | 9

Player One what is your move?1
X | 2 | 3
-----
4 | 5 | 6
-----
7 | 8 | 9

Player Two what is your move?4
X | 2 | 3
-----
0 | 5 | 6
-----
7 | 8 | 9

Player One what is your move?2
X | X | 3
-----
0 | 5 | 6
-----
7 | 8 | 9

Player Two what is your move?5
X | X | 3
-----
0 | 0 | 6
-----
7 | 8 | 9

Player One what is your move?3
Player 1 wins!
X | X | X
-----
0 | 0 | 6
-----
7 | 8 | 9

Permissions: RW End-of-lines: CRLF Encoding: ASCII
```