# 1. Command line

     1.1 dir (Win): lists the contents of a directory (ls in linux)

     1.2 cd: moves you into a new directory

          1.2.1 cd .. : parent directory, 回到上一层

          1.2.2 cd ~ : take you to your home directory

     1.3 pwd (Linux): tells you where you are

# 2. Starting python

     2.1 Execute python from cmd

          2.1.1 >pyhon

                  >print "Hello World!"

                  >exit()

# 3. python as a calculator

     3.1 >>>1/2

          0

          (1 and 2 are integers, python treats it as the calculation between integers)

          >>>1.0/2

          0.5

          >>>type(5)

          <type 'int'>

          >>>type(5.0)

          <type 'float'>

# 4. Make HTML

* "<i>Test message</i>" causes the string "Test message" to be displayed in italics
* <b>: bold
  + With variable:

html = "Test message"

print "<b>" + html + "</b>"

* <code> (fixed-width for code)
* <h1> (big headline)

# 5. Making choice

* >>> “H” in “Hello”

True

* >>> “X” in “Hello”

False

* >>>”Perl” not in “Boston Python user group”

True

# 6. List

* >>>your\_list = [“a”, “b”, “c”]

>>>len(your\_list)

3

* >>> your\_list[0]

‘a’

* >>>your\_list.append(“d”)

>>>your\_list

[‘a’, ‘b’, ‘c’, ‘d’]

* Replace element

>>> your\_list[0] = “e”

>>> your\_list

[“e”, “b”, “c”]

* >>>your\_list[-1]

“c”

# 7. Modules

* >>>import random

>>>random.randint(0, 10)

4

(random is a module, randint is a function in module random that randomly choose a number from 0 - 10)

* >>>names = [“Alice”, “Bob”, “Dan”, “Jerry”]

>>>random.choice(names)

‘Dan’

# 8. Dictionary

* >>>flavours = {“Alice”: “chocolate”, “Bob”: “Strawberry”, “Cara”: “mint chocolate chip”}

>>>flavours[“Alice”]

‘chocolate’