Input/Output

- Reading input from the user
  
  ```python
  input(message):  Displays message to the user and returns what the user typed as a string
  ```

Strings

- The following functions are built-in
  
  ```python
  len(string):  Returns the number of characters in the string
  int(string), float(string):  Converts numeric string to int or float
  str(object):  Converts object, e.g. int or float to a string
  sorted(string):  Returns the characters of the string as a list in sorted order
  ```

- String object methods
  
  ```python
  upper(), lower(), capitalize():  Returns a new upper or lower-cased, or 1st letter upper-cased string
  find(some_string):  Returns the first index that some_string occurs at in the string or -1 if not found
  find(some_string, index):  Same as above, but starts searching at index
  replace(old, new):  Return a copy of the string with all occurrences of old substituted with new
  startswith(prefix):  Returns True if the string starts with prefix, False otherwise
  endswith(suffix):  Returns True if the string ends with suffix, False otherwise
  strip():  Returns a copy of the string with only the leading and trailing whitespace removed
  split():  Return a list of the words in the string using whitespace as the delimiter
  ```

- String operators
  
  ```python
  string1 + string2:  Returns a new string that is the concatenation of string1 and string2
  string * int:  Returns a new string that is string repeated int times
  substr in string:  Returns True if substr is a substring of string, False otherwise
  ```

Modules

- random module
  
  ```python
  randint(a, b):  Return a random integer N such that a ≤ N ≤ b
  uniform(a, b):  Return a random floating point number N such that a ≤ N ≤ b
  ```

- math module
  
  ```python
  sqrt(num):  Return the square root of num
  ```