

Module	Description	Example	Script
core	file, closing	<code>fh.close()</code>	<code>g02/demo.py</code>
core	file, opening for writing	<code>fh = open(filename, "w")</code>	<code>g02/demo.py</code>
core	file, output using print	<code>print("It was written during", year, file=fh)</code>	<code>g02/demo.py</code>
core	file, output using write	<code>fh.write("Where was this file was written?\n")</code>	<code>g02/demo.py</code>
core	for, looping through a list	<code>for n in a_list:</code>	<code>g04/demo.py</code>
core	list, appending an element	<code>a_list.append("four")</code>	<code>g03/demo.py</code>
core	list, create via comprehension	<code>cubes = [n**3 for n in a_list]</code>	<code>g04/demo.py</code>
core	list, creating	<code>a_list = ["zero", "one", "two", "three"]</code>	<code>g03/demo.py</code>
core	list, determining length	<code>n = len(b_list)</code>	<code>g03/demo.py</code>
core	list, extending with another list	<code>a_list.extend(a_more)</code>	<code>g03/demo.py</code>
core	list, generating a sequence	<code>b_list = range(1,6)</code>	<code>g04/demo.py</code>
core	list, joining with spaces	<code>a_string = " ".join(a_list)</code>	<code>g03/demo.py</code>
core	list, selecting an element	<code>print(a_list[0])</code>	<code>g03/demo.py</code>
core	list, selecting elements 0 to 3	<code>print(a_list[:4])</code>	<code>g03/demo.py</code>
core	list, selecting elements 1 to 2	<code>print(a_list[1:3])</code>	<code>g03/demo.py</code>
core	list, selecting elements 1 to the end	<code>print(a_list[1:])</code>	<code>g03/demo.py</code>
core	list, selecting last 3 elements	<code>print(a_list[-3:])</code>	<code>g03/demo.py</code>
core	list, selecting the last element	<code>print(a_list[-1])</code>	<code>g03/demo.py</code>
core	list, sorting	<code>c_sort = sorted(b_list)</code>	<code>g03/demo.py</code>
core	list, splitting on whitespace	<code>b_list = b_string.split()</code>	<code>g03/demo.py</code>
core	math, raising a number to a power	<code>a_cubes.append(n**3)</code>	<code>g04/demo.py</code>
core	string, concatenating	<code>name = s1+" "+s2+" "+s3</code>	<code>g02/demo.py</code>
core	string, creating	<code>filename = "demo.txt"</code>	<code>g02/demo.py</code>
core	string, including a newline character	<code>fh.write(name+"!\n")</code>	<code>g02/demo.py</code>
core	string, printing	<code>print("Hello, World!")</code>	<code>g02/hello1.py</code>