

Shell

1. Open the python IDLE shell

Strings

2. Save your first name to variable *first*
3. Save your last name to variable *last*
4. Use variables *first* and *last* to make your full name with *space* and save it to variable *name*

Numbers

5. Assign any number to variable *number*
6. Double it!
7. Subtract 2 from it
8. Raise *number* to the power of 3

Lists

9. Make a list with *first*, *last*, *name* and *number*
10. Print the last 2 elements of the list
11. Make a new list with 1st and last 2 elements of the list and print it

Combined

12. using the format of the example string, mm/dd/yyyy, assign your birthday to a variable.

example_string = "01/01/2001"

Use indexing and conversion to separately print the month, day and year and store them in variables *month*, *day* and *year*

13. Convert *month*, *day* and *year* to numbers

Hint: *int()*

14. Make a list with your birthday *month*, *day* and *year* variables

15. Print the sum of elements in your list

16. Make a new string of your birthday with format: mm-dd-yy

Bonus 1

Using the following operations only

- + Addition
- Subtraction
- * Multiplication
- / Division
- () Parentheses for grouping
- ** power

Compute the following values using exactly four 4's

You may also use 44 and 4.4 where each is considered to be two 4's

Example for 0:

Zero: $4 / 4 * 4 - 4$

Zero2: $44 - 44$

1. One

2. Two

3. Three

4. Four

5. Five

6. Six

Bonus 2

More four 4s

1. Seven

2. Eight

3. Nine

4. Ten