

L435/L555, Autumn 2016
In-class Exercise #3

- 1) How do you print just the first letter of "hello"?
- 2) How do you print just the last letter of "hello"?
- 3) Create a list *foo*, with the following values: 25, 68, "bar", 89.45, 789, "spam", 0, "last item".
- 4) Print the 1st to 3rd item in the list *foo*.
- 5) Print the 3rd to last item in the list *foo*.
- 6) Print the 2nd to the 2nd to last item in the list *foo*.
- 7) Copy the entire *foo* list to a new list named *bar*.
- 8) Create a new list *snafu*, which contains the lists *foo* and *bar* as elements.
- 9) Print the first item of *snafu*.
- 10) Print the second item of the first list in *snafu*.
- 11) Print the third item to the last item of the second list in *snafu*.
- 12) Change the first item in the *foo* list to 12.
- 13) Now multiply the first item in the *foo* list by 2 (i.e., change the value within the list).
- 14) Test whether "ham" is in the list *foo*.
- 15) Append the value 24 to the list *foo*.
- 16) Insert the value "twenty" to the list *foo* as the 4th item.
- 17) Find the index of "spam" in the list *foo*.
- 18) Remove the last item from *foo*, and store it as a new variable.
- 19) Append the following values to *foo*: 89, 23.4, 1.
- 20) Create a new list *headlessfoo* with the same contents as *foo*, but containing all but the first element.
- 21) Create a list of five numbers of your choice, *num*.
- 22) Create a new list, *sqnum*, of the numbers in *num* squared. (Hint: list comprehensions!)