Physics 29 Discussion 2

To do these exercises you may need to “look things up”. Remember that google is your best friend.

Exercise 0
Figure out how to make pdfs out of jupyter notebooks. This will be needed for you to turn in your homework. If your homework consists of more than one jupyter notebook (maybe one per problem?), make sure you know how to include all notebooks into a single pdfs.

Exercise 1
Take a string, eg, ‘hello world’ and output a new string with the order of the characters inverted, eg, ‘dlrow olleh’.

Exercise 2
Same as Exercise 1, but now reverse the words in the string, eg, start from ‘hello world’ print out ‘world hello’
BTW: if you wanted to do this “right” you would have to account not only for blank spaces that separate words in a sentence, but also for punctuations, ie, commas etc. This can get quite complicated in a hurry.

Exercise 3
The backslash \ is a special "escape character" in python (and also other languages). Google around to figure out what \ does inside a python string and try out a few examples.

Exercise 4
Write code to calculate $\sum_{i=1}^{n} i$ for n=100.