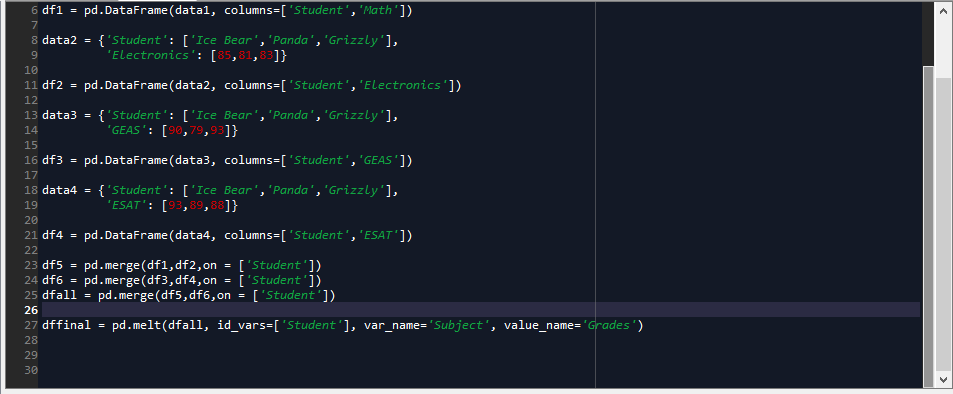
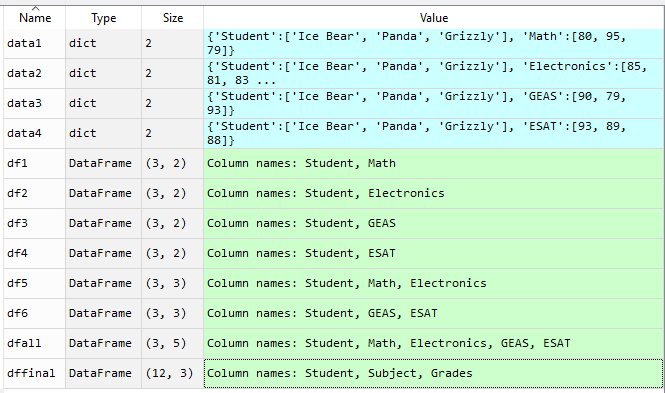
Cruz, Kevin Bryan B.

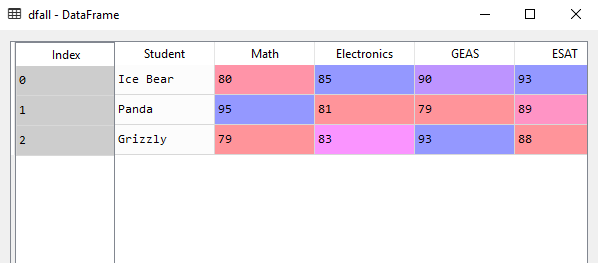
2ECE-C

PROBLEM 1

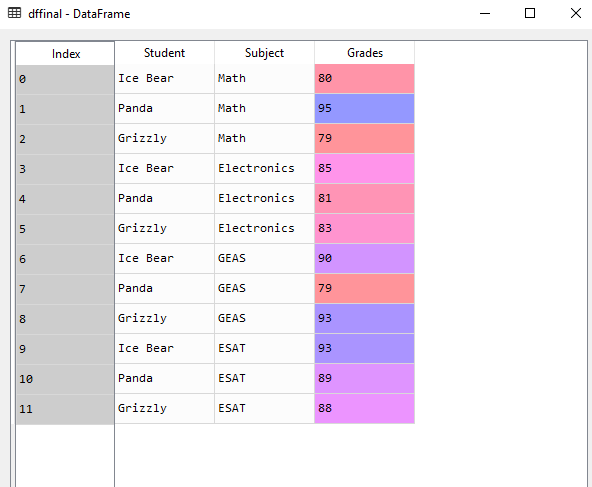




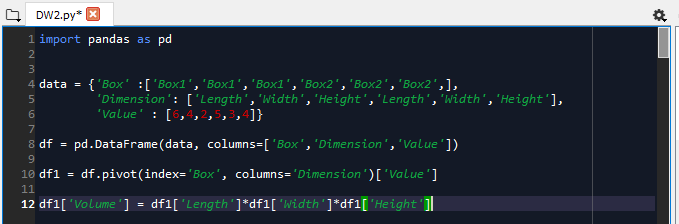
Using pd.merge the data frame results to this:



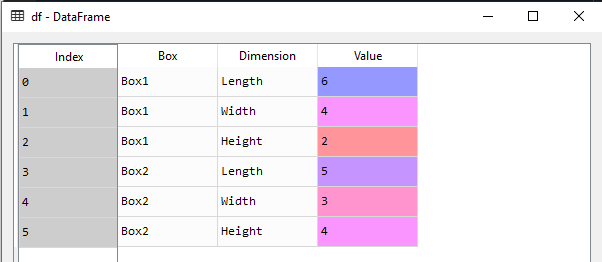
Converting it to long format, the previous data frame looks like this:



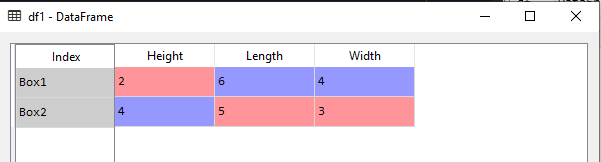
PROBLEM 2



Messy Data



Converted to Tidy Data



Adding a new column “Volume”

