Problem:

Simulate the python pandas module

Description:

Design a user defined python module to simulate the python pandas module.

1) function to read the CSV file - prepare DATA FRAME

    df = module.readfile("emps.csv")

2) should have features to

   a) read a particular row   i.e df["ROW NUMBER"]

   b) read a particular column   i.e df["COLUMN"]

   c) read a particular cell   i.e df["ROW"]["COLUMN"]

   d) save to a file   i.e df.save_to_file("data.csv")

   e) modify a COLUMN   i.e df["COLUMN"] = [1,2,3,4,5]

   f) modify a CELL   i.e df[ROW][COLUMN] = value

   g) create a new COLUMN   i.e df["NEWCOL"] = [1,2,3,4,5]

   h) display the dataframe   i.e df.show()

   i) sum a column   i.e df["COLUMN"].sum()

   j) max/min of a column   i.e df["COLUMN"].max()

>> Handle all the errors via Exception handling

>> Modular