	<pre>my_dict = { 'name' : ["a","b","c","d","e","f","g"],'age' : [20,27,35,55,18,21,35],'designation': ["VP","CEO","CFO","VP","VP","CEO","MD"]} import pandas as pd import numpy as np df=pd.DataFrame(my_dict) df</pre>
1	name age designation 0 a 20 VP 1 b 27 CEO 2 c 35 CFO
Ę	3 d 55 VP 4 e 18 VP 5 f 21 CEO 6 g 35 MD
	<pre>df.to_csv('csv_fds') df name age designation</pre>
1 2 3	1 b 27 CEO 2 c 35 CFO
	4 e 18 VP 5 f 21 CEO 6 g 35 MD
	<pre>df.to_csv('csv_fds',index=False) df_csv=pd.read_csv('csv_fds') df_csv name age designation</pre>
1 2 3	1 b 27 CEO 2 c 35 CFO
	4 e 18 VP 5 f 21 CEO 6 g 35 MD
	<pre>import pandas as pd Location = "F:/MSC 1/FDS/notes/student-mat.csv" df = pd.read_csv(Location, header=None) df.head()</pre> 0 1 2 3 4 5 6 7 8 9 23 24 25 26 27 28 29 30 31 32
1	school sex age address famsize Pstatus Medu Fedu Mjob Fjob famrel freetime goout Dalc Walc health absences G1 G2 G3 GP F 18 U GT3 A 4 4 at_home teacher 4 3 4 1 1 3 6 5 6 6 GP F 17 U GT3 T 1 1 at_home other 5 3 3 1 1 3 4 5 5 6
5	GP F 15 U LE3 T 1 1 at_home other 4 3 2 2 3 3 10 7 8 10 4 GP F 15 U GT3 T 4 2 health services 3 2 2 1 1 5 2 15 14 15 rows × 33 columns
	<pre>import pandas as pd Location = "F:/MSC 1/FDS/notes/student-mat.csv" df = pd.read_csv(Location) df.head() school sex age address famsize Pstatus Medu Fedu Mjob Fjob famrel freetime goout Dalc Walc health absences G1 G2 G3</pre>
_	GP F 18 U GT3 A 4 4 at_home teacher 4 3 4 1 1 3 6 5 6 6 GP F 17 U GT3 T 1 1 at_home other 5 3 3 1 1 3 4 5 5 6 GP F 15 U LE3 T 1 1 at_home other 4 3 2 2 3 3 10 7 8 10
5	4 GP F 16 U GT3 T 3 3 other other 4 3 2 1 2 5 4 6 10 10 rows × 33 columns
	<pre>import pandas as pd names = ['Anjali', 'Govind', 'Seema', 'Ganesh', 'Jyoti'] grades = [78,74,75,88,90] bsdegrees = [1,0,1,1,0] msdegrees = [2,1,2,1,1] phddegrees = [0,1,0,1,0]</pre>
	Degrees = zip(names, grades, bsdegrees, msdegrees, phddegrees) columns = ['Names', 'Grades', 'BS', 'MS', 'PhD'] df = pd.DataFrame(data = Degrees, columns=columns) df Names Grades BS MS PhD
1	O Anjali 78 1 2 0 1 Govind 74 0 1 1 2 Seema 75 1 2 0 3 Ganesh 88 1 1 1
	<pre>import pandas as pd Location = "F:/MSC 1/FDS/notes/gradedata.xlsx" df = pd.read_excel(Location)</pre>
	<pre>df.columns = ['first','last','sex','age','exer','hrs','grd','addr'] df.head() first last sex age exer hrs grd addr Marcia Pugh female 17 3 10 82.4 7379 Highland Rd., Dublin, GA 31021</pre>
3	1 Kadeem Morrison male 18 4 4 78.2 8 Bayport St. , Honolulu, HI 96815 2 Nash Powell male 18 5 9 79.3 Encino, CA 91316, 3 Lilac Street 3 Noelani Wagner female 14 2 7 83.2 Riverview, FL 33569, 9998 North Smith Dr. 4 Noelani Cherry female 18 4 15 87.4 97 SE. Ocean Street , Bethlehem, PA 18015
	<pre>import pandas as pd names = ['Anjali', 'Govind', 'Seema', 'Ganesh', 'Jyoti'] grades = [78,74,75,88,90] Gradelist = zip(names, grades) df = pd.DataFrame(data = Gradelist, columns=['Names', 'Grades'])</pre>
	<pre>writer = pd.ExcelWriter('dataframe_FDS.xlsx', engine='xlsxwriter') df.to_excel(writer, sheet_name='sheet1') writer.save() import sqlite3</pre>
	<pre>con = sqlite3.connect("F:/import sqlite3 con = sqlite3.connect("D:\Fds DataSet\portal_mammals.sqlite") cur = con.cursor()</pre>
	<pre>cur.execute('SELECT plot_id FROM plots WHERE plot_type="Control"') print(cur.fetchall()) cur.execute('SELECT * FROM species WHERE taxa="Bird"') print(cur.fetchone())</pre>
	<pre>con.close()MSC 1/FDS/notes/portal_mammals.sqlite") cur = con.cursor() for row in cur.execute('SELECT * FROM species;'): print(row)</pre>
((<pre>con.close() ('AB', 'Amphispiza', 'bilineata', 'Bird') ('AH', 'Ammospermophilus', 'harrisi', 'Rodent') ('AS', 'Ammodramus', 'savannarum', 'Bird') ('BA', 'Baiomys', 'taylori', 'Rodent') ('CB', 'Campylorhynchus', 'brunneicapillus', 'Bird')</pre>
((('CM', 'Calamospiza', 'melanocorys', 'Bird') ('CQ', 'Callipepla', 'squamata', 'Bird') ('CS', 'Crotalus', 'scutalatus', 'Reptile') ('CT', 'Cnemidophorus', 'tigris', 'Reptile') ('CU', 'Cnemidophorus', 'uniparens', 'Reptile') ('CV', 'Crotalus', 'viridis', 'Reptile')
(('DM', 'Dipodomys', 'merriami', 'Rodent') ('DO', 'Dipodomys', 'ordii', 'Rodent') ('DS', 'Dipodomys', 'spectabilis', 'Rodent') ('DX', 'Dipodomys', 'sp.', 'Rodent') ('EO', 'Eumeces', 'obsoletus', 'Reptile') ('GS', 'Gambelia', 'silus', 'Reptile') ('NL', 'Neotoma', 'albigula', 'Rodent')
() () () ()	('NX', 'Neotoma', 'sp.', 'Rodent') ('OL', 'Onychomys', 'leucogaster', 'Rodent') ('OT', 'Onychomys', 'torridus', 'Rodent') ('OX', 'Onychomys', 'sp.', 'Rodent') ('PB', 'Chaetodipus', 'baileyi', 'Rodent') ('PC', 'Pipilo', 'chlorurus', 'Bird')
(('PE', 'Peromyscus', 'eremicus', 'Rodent') ('PF', 'Perognathus', 'flavus', 'Rodent') ('PG', 'Pooecetes', 'gramineus', 'Bird') ('PH', 'Perognathus', 'hispidus', 'Rodent') ('PI', 'Chaetodipus', 'intermedius', 'Rodent') ('PL', 'Peromyscus', 'leucopus', 'Rodent') ('PM', 'Peromyscus', 'maniculatus', 'Rodent')
(('PP', 'Chaetodipus', 'penicillatus', 'Rodent') ('PU', 'Pipilo', 'fuscus', 'Bird') ('PX', 'Chaetodipus', 'sp.', 'Rodent') ('RF', 'Reithrodontomys', 'fulvescens', 'Rodent') ('RM', 'Reithrodontomys', 'megalotis', 'Rodent') ('RO', 'Reithrodontomys', 'montanus', 'Rodent') ('RX', 'Reithrodontomys', 'sp.', 'Rodent')
() () () ()	('SA', 'Sylvilagus', 'audubonii', 'Rabbit') ('SB', 'Spizella', 'breweri', 'Bird') ('SC', 'Sceloporus', 'clarki', 'Reptile') ('SF', 'Sigmodon', 'fulviventer', 'Rodent') ('SH', 'Sigmodon', 'hispidus', 'Rodent') ('SO', 'Sigmodon', 'ochrognathus', 'Rodent')
((('SS', 'Spermophilus', 'spilosoma', 'Rodent') ('ST', 'Spermophilus', 'tereticaudus', 'Rodent') ('SU', 'Sceloporus', 'undulatus', 'Reptile') ('SX', 'Sigmodon', 'sp.', 'Rodent') ('UL', 'Lizard', 'sp.', 'Reptile') ('UP', 'Pipilo', 'sp.', 'Bird') ('UR', 'Rodent', 'sp.', 'Rodent')
((('US', 'Sparrow', 'sp.', 'Bird') ('ZL', 'Zonotrichia', 'leucophrys', 'Bird') ('ZM', 'Zenaida', 'macroura', 'Bird') import sqlite3
	<pre>con = sqlite3.connect("F:/MSC 1/FDS/notes/portal_mammals.sqlite") from pandas import DataFrame cars={'Brand':['Honda', 'Range Rover', 'Fortuner', 'Audi Q7'], 'Price':[88000,50000,20000,10000]} df=DataFrame(cars,columns=['Brand', 'Price']) print(df) cur = con.cursor()</pre>
	<pre>cur.execute('SELECT plot_id FROM plots WHERE plot_type="Control"') print(cur.fetchall()) cur.execute('SELECT * FROM species WHERE taxa="Bird"') print(cur.fetchone())</pre>
[<pre>con.close() [(2,), (4,), (8,), (11,), (12,), (14,), (17,), (22,)] ('AB', 'Amphispiza', 'bilineata', 'Bird') from pandas import DataFrame</pre>
	<pre>cars={'Brand':['Honda', 'Range Rover', 'Fortuner', 'Audi Q7'], 'Price':[88000, 50000, 20000, 10000]} df=DataFrame(cars, columns=['Brand', 'Price']) print(df) Brand Price</pre>
2 3	1 Range Rover 50000 2 Fortuner 20000
	<pre>conn=sqlite3.connect('TestDB1_FDS.db') c=conn.cursor() c.execute('CREATE TABLE CAR1_FDS(Brands text,Price number)')</pre>
:	<pre>c.execute('CREATE TABLE CARI_FDS(Brands text,Price number)') conn.commit() df.to_sql('CARS',conn,if_exists='replace',index=False)</pre>
	c.execute('''SELECT Brand,max(price) from CARS''') df=DataFrame(c.fetchall(),columns=['Brand','Price']) df Brand Price 2 Hende 20000
:	Honda 88000