

- 제공된 exercise01_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. (**DBA Name** 컬럼을 **인덱스명으로 설정**)

DBA Name	Facility Type	Risk	Address	Zip	Inspection Date	Inspection Type	Results	Violations
DANY'S TACOS	Restaurant	Risk 1 (High)	2857 S ST LOUIS AVE	60623.0	03/27/2017	License	Fail	16. FOOD PROTECTED DURING STORAGE, PREPARATION...
BILLY FOOD MARKET INC	NaN	Risk 3 (Low)	3906 W ROOSEVELT RD	60624.0	03/27/2017	License	Not Ready	NaN
TAQUERIA HACIENDA TAPATIA	Restaurant	Risk 1 (High)	4125 W 26TH ST	60623.0	03/27/2017	License Re-Inspection	Pass	2. FACILITIES TO MAINTAIN PROPER TEMPERATURE ~...
WILD GOOSE BAR & GRILL	Restaurant	Risk 1 (High)	4265 N LINCOLN AVE	60618.0	03/27/2017	Canvass	Fail	16. FOOD PROTECTED DURING STORAGE, PREPARATION...
PUBLICAN TAVERN K1	Restaurant	Risk 1 (High)	11601 W TOUHY AVE	60666.0	03/27/2017	Canvass	Fail	18. NO EVIDENCE OF RODENT OR INSECT OUTER OPEN...

- 제공된 exercise02_제공파일.py 소스파일을 활용하여 다음과 같이 'WILD GOOSE BAR & GRILL' 행만 출력 되도록 코드를 작성하시오.

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Facility Type      Restaurant
Risk              Risk 1 (High)
Address           4265 N LINCOLN AVE
Zip               60618
Inspection Date   03/27/2017
Inspection Type   Canvass
Results           Fail
Violations        16. FOOD PROTECTED DURING STORAGE, PREPARATION...
Name: WILD GOOSE BAR & GRILL, dtype: object

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- 제공된 exercise03_제공파일.py 소스파일을 활용하여 다음과 같은 행과 열만 출력 되도록 코드를 작성하시오.

	Risk	Results
DBA Name		
WILD GOOSE BAR & GRILL	Risk 1 (High)	Fail
TAQUERIA HACIENDA TAPATIA	Risk 1 (High)	Pass

4. 제공된 exercise04_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. ('WILD GOOSE BAR & GRILL' 인덱스명에 해당되는 Violations 컬럼 값 출력)

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'16. FOOD PROTECTED DURING STORAGE, PREPARATION, DISPLAY, SERVICE AND TRANSPORTATION - Comments: OBSERVED PINK/BLACK SLIME BUILT UP INSIDE ICE MACHINE UPPER PORTION AROUND ICE CHUTE (ICE USED FOR HUMAN CONSUMPTION). INSTRUCTED MANAGER TO CLEAN AND MAINTAIN INTERIOR OF ICE MACHINE. ALL ICE VOLUNTARILY DISCARDED AT THIS TIME. SERIOUS VIOLATION 7-38-005(A). | 36. LIGHTING: REQUIRED MINIMUM FOOT-CANDLES OF LIGHT PROVIDED, FIXTURES SHIELDED - Comments: OBSERVED 1 BURNED OUT CEILING LIGHT BULB ABOVE PREP AREA. MUST REPLACE WITH WORKING LIGHT BULB. | 33. FOOD AND NON-FOOD CONTACT EQUIPMENT UTENSILS CLEAN, FREE OF ABRASIVE DETERGENTS - Comments: OBSERVED FOOD DEBRIS IN BAR GUN HOLDERS ALSO OBSERVED ACCUMULATED DUST BUILD UP ON FOOD WALK IN COOLER CONDENSER. MUST CLEAN BAR GUN HOLDERS AND FOOD WALK IN COOLER CONDENSER.'
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5. 제공된 exercise05_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. (인덱스명이 'THRESHOLD SCHOOL' 부터 SCRUB A DUB' 까지의 행 중에서 step이 3000이고, 컬럼명이 'Inspection Type' 이후의 모든 컬럼 출력)

DBA Name	Inspection Type	Results	Violations
THRESHOLD SCHOOL	Canvass	Pass	38. VENTILATION: ROOMS AND EQUIPMENT VENTED AS...
SAN JOSE FAST FOOD	Canvass	Out of Business	NaN
CHUCHOS ON ADDISON INC	Canvass	Pass w/ Conditions	33. FOOD AND NON-FOOD CONTACT EQUIPMENT UTENSI...
PIZZERIA AROMA	Canvass Re-Inspection	Pass	2. FACILITIES TO MAINTAIN PROPER TEMPERATURE -...
JEWEL FOOD STORE #3210	Canvass	No Entry	NaN
EGANS TAVERN	Canvass	Out of Business	NaN
Los Amigos Grill	Canvass	Out of Business	NaN
JOHNNY VAN'S SMOKEHOUSE	License	Pass	NaN
WEN CAFE INC	Out of Business	Fail	NaN

6. 제공된 exercise06_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. (500번째부터 505번째까지의 행 출력)

DBA Name	Facility Type	Risk	Address	Zip	Inspection Date	Inspection Type	Results	Violations
THE MECCA RESTAURANT	Restaurant	Risk 1 (High)	6666 N NORTHWEST HWY	60631.0	03/14/2017	Canvass	Pass w/ Conditions	8. SANITIZING RINSE FOR EQUIPMENT AND UTENSILS...
L & T CHINA FAST WOK INC.	Restaurant	Risk 1 (High)	2020 N CALIFORNIA AVE	60647.0	03/14/2017	Canvass	Pass	33. FOOD AND NON-FOOD CONTACT EQUIPMENT UTENSI...
SCHNEIDER SENIOR APARTMENT	Golden Diner	Risk 1 (High)	1750 W PETERSON AVE	60660.0	03/14/2017	Canvass Re-Inspection	Pass	35. WALLS, CEILINGS, ATTACHED EQUIPMENT CONSTR...
ECKHARDT CAFE	Restaurant	Risk 1 (High)	5640 S ELLIS AVE	60637.0	03/14/2017	Canvass	Pass	33. FOOD AND NON-FOOD CONTACT EQUIPMENT UTENSI...
WING ZONE	Restaurant	Risk 1 (High)	1757 W 87TH ST	60620.0	03/14/2017	Canvass	Out of Business	NaN

7. 제공된 exercise07_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. (100, 1000, 1000번째 행과 5,3,1번째 컬럼 출력)

DBA Name	Inspection Type	Zip	Risk
TAQUERIA LA CANTERA	License	60608.0	Risk 1 (High)
PARK TAVERN CHICAGO	Complaint	60612.0	Risk 1 (High)
LITTLE VILLAGE HIGH SCHOOL	Canvass	60623.0	Risk 1 (High)

8. 제공된 exercise08_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. (answercount 컬럼값이 정확하게 5인 행만 5개만 출력)

	id	creationdate	score	viewcount	title	answercount	commentcount	favoritecount	quest_name	quest
75	10373660	2012-04-29 16:10:35	199	207980	Converting a Pandas GroupBy object to DataFrame	5	0	90.0	saveenr	24
115	10791661	2012-05-29 00:06:52	7	12210	How do I discretize values in a pandas DataFrame...	5	0	3.0	Uri Laserson	9
130	10972410	2012-06-10 21:12:43	19	46428	pandas: combine two columns in a DataFrame	5	0	5.0	BFTM	8
189	11391969	2012-07-09 09:04:33	44	27467	How to group pandas DataFrame entries by date ...	5	1	15.0	Boris Gorelik	96
246	11811392	2012-08-04 19:25:34	17	20051	How to generate a list from a pandas DataFrame...	5	0	6.0	turtle	12

9. 제공된 exercise09_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. ('quest_name' 컬럼값과 'ans_name' 컬럼값이 일치하는 행만 7개 출력)

	id	creationdate	score	viewcount	title	answercount	commentcount	favoritecount	quest_name	quest_rep	ans_name	ar
10	8273092	2011-11-25 18:39:02	1	2333	python: pandas install errors	2	0	NaN	codingknob	2279.0	codingknob	2
33	9721429	2012-03-15 14:08:31	9	5732	How do I read a fix width format text file in ...	4	2	NaN	user1234440	3369.0	user1234440	3
58	10020591	2012-04-04 23:17:23	21	20171	How to resample a dataframe with different fun...	4	0	15.0	bmu	17129.0	bmu	17
68	10175068	2012-04-16 13:27:44	15	7501	Select data at a particular level from a Multi...	2	3	5.0	elyase	19551.0	elyase	19
74	10264739	2012-04-22 02:35:06	9	2362	major memory problems reading in a csv file us...	3	2	7.0	vgoklani	1752.0	vgoklani	1
84	10475488	2012-05-07 00:38:47	5	2263	Calculating crossing (intercept) points of a S...	1	1	3.0	dailyglen	460.0	dailyglen	
114	10771745	2012-05-27 04:53:45	0	1146	Removing duplicates from dataframe with index ...	1	2	1.0	dailyglen	460.0	dailyglen	

10. 제공된 exercise10_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. (위의 exercise09_제공파일.py 워크샵 문제에서 id와 score, quest_name, ans_name 컬럼만 출력)

	score	id	quest_name	ans_name
10	1	8273092	codingknob	codingknob
33	9	9721429	user1234440	user1234440
58	21	10020591	bmu	bmu
68	15	10175068	elyase	elyase
74	9	10264739	vgoklani	vgoklani
84	5	10475488	dailyglen	dailyglen
114	0	10771745	dailyglen	dailyglen

11. 제공된 exercise11_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. ('ans_name' 이 null 이고 'score' 값이 100보다 큰 행만 출력)

	id	creationdate	score	viewcount	title	answercount	commentcount	favoritecount	quest_name
184	11350770	2012-07-05 18:57:34	149	155776	pandas + dataframe - select by partial string	7	0	52.0	eufonia
514	13148429	2012-10-30 22:22:59	312	228357	How to change the order of DataFrame columns?	19	1	90.0	Timon
527	13187778	2012-11-02 00:57:33	102	202329	Convert pandas dataframe to numpy array, prese...	8	0	45.0	mister.nobody
560	13331698	2012-11-11 13:48:53	154	174964	How to apply a function to two columns of Pand...	9	4	66.0	bigb
5013	19377969	2013-10-15 09:42:52	128	144045	Combine two columns of text in dataframe in pa...	10	1	49.0	user28661
5370	20845213	2013-12-30 18:24:25	130	61332	How to avoid Python/Pandas creating an index i...	3	3	14.0	Ale
8289	26266362	2014-10-08 21:00:19	132	108655	How to count the Nan values in the column in P...	9	0	39.0	user37993

12. 제공된 exercise12_제공파일.py 소스파일을 활용하여 다음과 같이 출력 되도록 코드를 작성하시오. ('answercount' 컬럼값이 5~10사이의 값이고 'viewcount'컬럼값이 1000보다 작은 행만 5개 출력)

	id	creationdate	score	viewcount	title	answercount	commentco
620	13580875	2012-11-27 09:19:07	2	963	Running average / frequency of time series data?	5	
1316	14742893	2013-02-07 03:13:31	2	598	Interpolation Function	5	
4816	21315997	2014-01-23 18:02:57	2	716	Python Pandas vs R. Transformation Code Concis...	5	
4958	19892107	2013-11-10 16:28:50	5	385	Updating csv with data from a csv with differe...	6	
5339	21040578	2014-01-10 09:33:09	-1	175	combining mutiple csv file	8	