

REINDEXING AND LABEL ALTERATION

ASSIGNMENTS

Q.1 write statement to remove index for given dataframe as df?

index	NAME	MARKS
first	AMAN	93
second	VISHAL	82
third	MOHAK	44
fourth	FREYA	93
fifth	RAJESH	74

(Hint-reset_index())

Q.2 write statement to make month as index for given dataframe as df?

	month	year	sale
0	1	2012	55
1	4	2014	40
2	7	2013	84
3	10	2014	31

Now make month as index

(Hint- set_index())

Q.3 In dataframe of question no 2 ,find output as below(month as index but without heading)

	year	sale
1	2012	55
4	2014	40
7	2013	84
10	2014	31

(Hint- df.index.names)

Q.5 What is reindexing in pandas?

Q.6 What are the reindex function arguments?

Q.7 Does reindex require labels be unique, write relevant program for answer.

Q.8 write a program in python to display the data of following dataframe in ascending order of marks and marks column should be treated as index.

	NAME	MARKS
0	AMAN	93
1	VISHAL	82
2	MOHAK	44
3	FREYA	93
4	RAJESH	74

OUTPUT should be like

	NAME
MARKS	
44	MOHAK
74	RAJESH
82	VISHAL
93	AMAN
93	FREYA

HINT-Use `set_index()`, `sort_index()` method

Q.9 Write a statement to change the column name from NAME to STUDENT_NAME of following dataframe df

	STUDENT NAME	MARKS
0	AMAN	93
1	VISHAL	82
2	MOHAK	44
3	FREYA	93
4	RAJESH	74

Q.10 why indexing is used in pandas?

Q.11 why we should reindex the data of dataframe, even if these are already indexed?

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