

ALTER / UPDATE tables

Note - if not confident make sure to make copies of your table to not lose data

1. Design a table marsk_sem1.
 - a. It must contain all marks as seen in the student table.
 - b. One way to go about this is to create a copy of the student table and drop columns.
 - c. Make roll number the primary key

rollno	math	sci	eng	social	sports
7	78	99	45	56	88
11	86	95	52	57	73
21	42	73	59	63	65
27	54	68	98	96	77
33	98	94	91	96	55
34	84	93	79	94	85
46	98	97	84	87	72
50	76	84	62	74	81
52	83	86	89	91	99
56	69	75	65	67	98
58	70	87	77	98	67

Field	Type	Null	Key	Default	Extra
rollno	int	NO	PRI	NULL	
math	int	YES		NULL	
sci	int	YES		NULL	
eng	int	YES		NULL	
social	int	YES		NULL	
sports	int	YES		NULL	

2. Design a table faculty
 - a. Add columns and rows with given constraints

name	fid	subject
kakashi	4003	math
guy	5002	sports
kurenai	5038	eng

Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
fid	char(4)	NO	PRI	NULL	
subject	varchar(20)	YES		NULL	

3. Design a table sem1
 - a. Add columns and rows with given constraints
 - b. Note - if the “mul” doesn't show up with you run “describe sem1;” then add a few rows and then alter the table

subj_id	subject	fid	cap	campus
101	math	4003	60	101
102	sports	5002	70	101
105	eng	5038	60	104

Field	Type	Null	Key	Default	Extra
subj_id	char(4)	NO	PRI	NULL	
subject	varchar(20)	YES		NULL	
fid	char(4)	YES	MUL	NULL	
cap	int	YES		NULL	
campus	int	YES	MUL	NULL	

4. Update campus table
 - a. Make cid primary key
5. Update student table
 - a. Drop not required columns (as shown below)
 - b. Add fk to rollno to sem1 rollno
 - c. Add cid
 - d. Add fk to cid to campus cid

name	rollno	dob	yjoin	gender	team	cid
dwayne	33	2000-01-09	2019	M	R	109
john	58	2002-03-21	2019	M	W	101
dave	27	1999-09-11	2018	M	A	110
randy	56	2001-04-28	2019	M	R	104
kane	11	1999-02-13	2018	M	G	104
tom	50	2000-11-01	2019	M	W	101
carol	7	2000-06-19	2018	F	W	113
wanda	21	2001-08-10	2019	F	R	107
natasha	52	2001-06-19	2019	F	A	109
gamora	34	2001-06-19	2018	F	G	109
jean	46	2000-06-19	2019	F	G	110

Field	Type	Null	Key	Default	Extra
name	varchar(20)	YES		NULL	
rollno	int	YES	MUL	NULL	
dob	date	YES		2001-01-01	
yjoin	year	YES		2019	
gender	char(1)	YES		M	
team	char(1)	YES		R	
cid	int	YES	MUL	NULL	

Queries

No queries this time will add them to next week's assignment. This week please work on finalising teams and project ideas and frameworks you are going to use. Next lab I might try to cover mongodb/nosql so that you have an option to use mongo as well instead of regular sql. Either way the high level design must be the same. Will expect a rough design and demo before minor2.

Fill the below form :

<https://forms.office.com/Pages/ResponsePage.aspx?id=ZJH4ixGzykCilS4PXznRTm4oNwnL4HZOhmadPWIVFU5UNFAxMUhSUFYyRjBTTzQxVzJRQ1ozWERVsy4u>

Deadline Monday 11th Oct

Submit all above alter and update queries by the name assign5.sql and the output as assign5.txt in a lab5 folder.

Note in case of any errors in the assignment or issues faced feel free to text me on teams.