Database: Class Teacher's Attendance Register

Understanding the SQL basics

Our School Class Teacher carried a Database in her hand everyday.

Action		Teacl	SQL CREATE					
New Month	Teacher c	reated a table forms in a new page	or e	very	mo	nth w	vith all	CREATE TABLE JANUARY (ROLL_NO NUMBER PRIMARY KEY STUDENT_NAME VARCHAR, DAY_1 BOOLEAN, DAY_2 BOOLEAN, DAY_31 BOOLEAN, TOTAL NUMBER);

She maintained all the Data inside the register by adding students, marking attendance, removing students etc.

Action		Teac	SQL INSERT					
	ROLL NO.	STUDENT NAME	1/1	2/1	3/1		Total	INSERT INTO JANUARY (ROLL_NO, STUDENT_NAME) VALUES (1, 'You');
	1	Me						INSERT INTO JANUARY (ROLL_NO
	2	You						STUDENT_NAME)
Add Students	3	That Friend						VALUES (2, 'Me');
	4	That Enemy						INSERT INTO JANUARY (ROLL_NO, STUDENT_NAME)
	Teacher added all the students with their roll number and name.						VALUES (3, 'That Friend'); INSERT INTO JANUARY (ROLL_NO, STUDENT_NAME) VALUES (4, 'That Enemy');	

Updating the register was an everyday task for her.

Action		Teac	SQL UPDATE				
	ROLL NO.	STUDENT NAME	1/1	2/1	3/1	 Total	UPDATE JANUARY SET DAY_1 = True WHERE ROLL_NO = 1;
Mark	1	Ме	X				UPDATE JANUARY
	2	You	Χ				SET DAY_1 = True
	3	That Friend	Х		e e		WHERE ROLL_NO = 2;
Attendance	4	That Enemy	Α				UPDATE JANUARY

She had to keep in account whenever a student got dropped out.

Action		Teac	SQL DELETE					
Remove Student	ROLL NO.	STUDENT NAME	1/1	2/1	3/1	••••	Total	
	1	Me	X	Χ	X	ia et	M	DELETE FROM JANUARY WHERE ID = 4;
	2	You	X	Α	Χ			
	3	That Friend	X	X	X			
	4	That Enemy	A	A	A			

She could tell how many days we were present in the class.

Action	Teacher							SQL SELECT
	ROLL NO.	STUDENT NAME	1/1	2/1	3/1	••••	Total	
	1	Ме	Х	Х	Χ		20	
	2	You	X	Α	Χ		18	051 507 70741 144114 8
Find Total	3	That Friend	X	X	X	••••	(21)	SELECT TOTAL FROM JANUAL WHERE STUDENT_NAME='That Frien
	4	That Enemy	A	A	A			

END

"Programming is an art of doing one thing at a time."