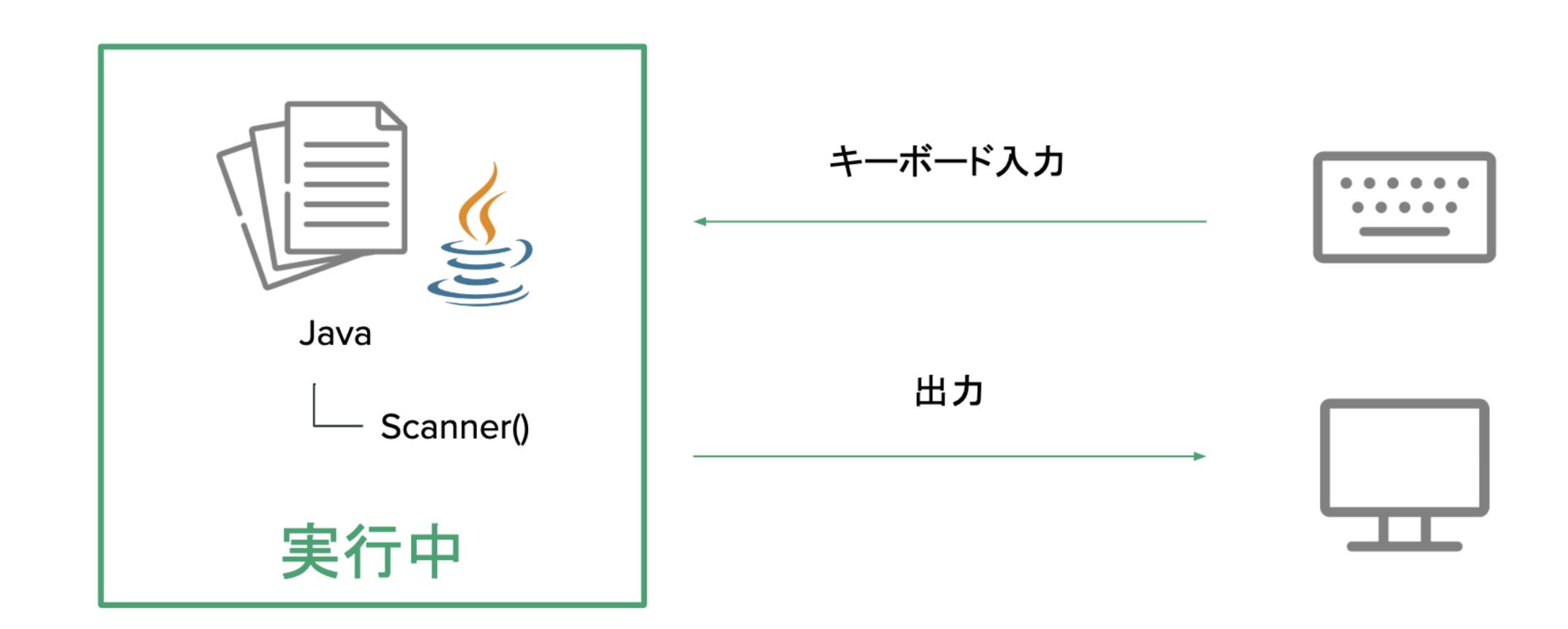
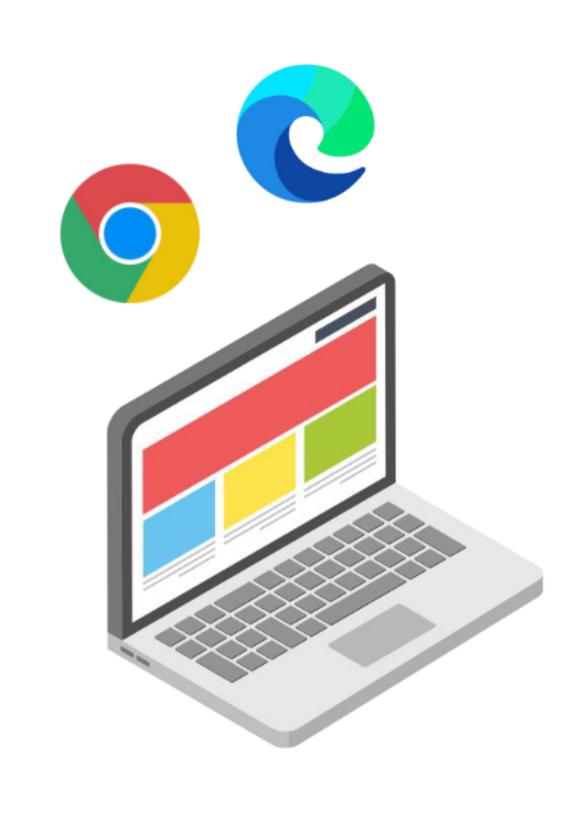
Javaの課題の例をイメージしてみると



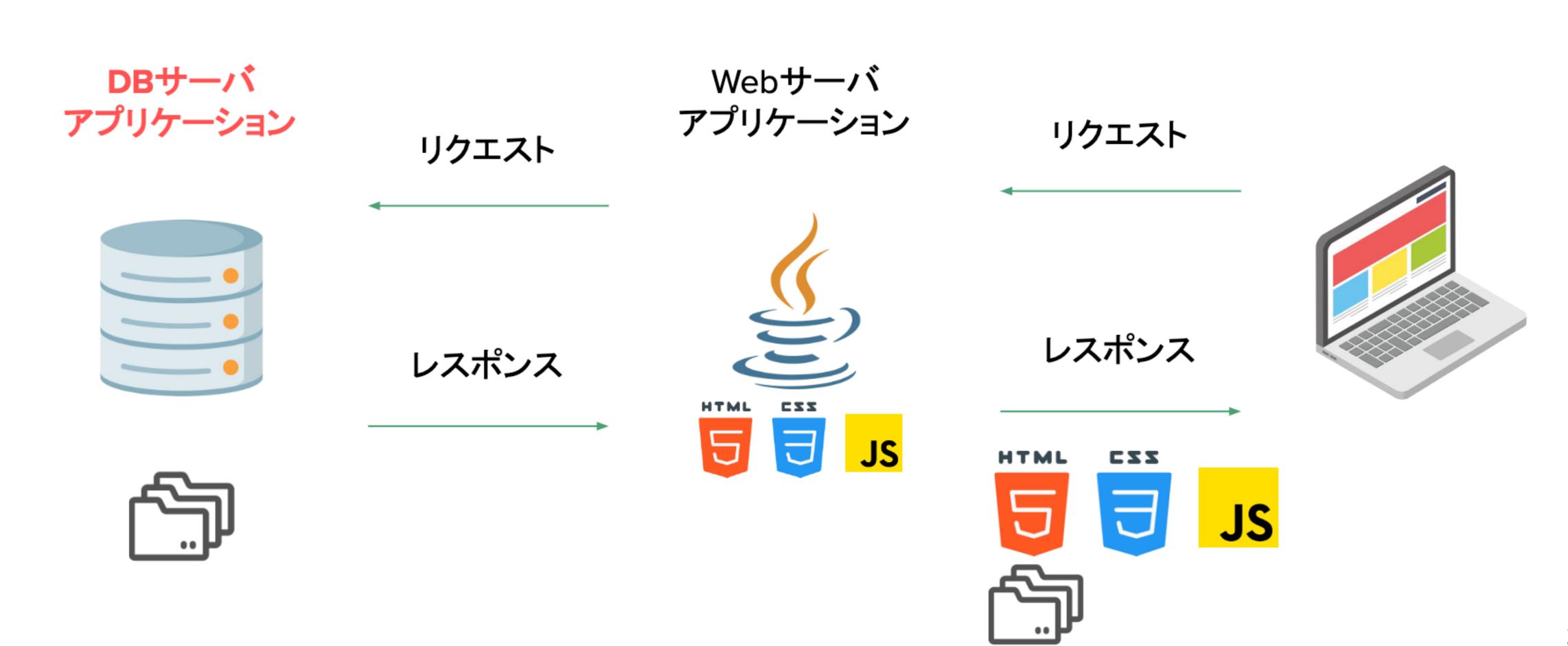
Webサイトの場合







データベース(DB)



データベース(DB)

DBサーバ

アプリケーション

リクエスト

登録してねー

Webサーバ アプリケーション パスワード

メールアドレス

リクエスト



レスポンス



レスポンス





登録してねー

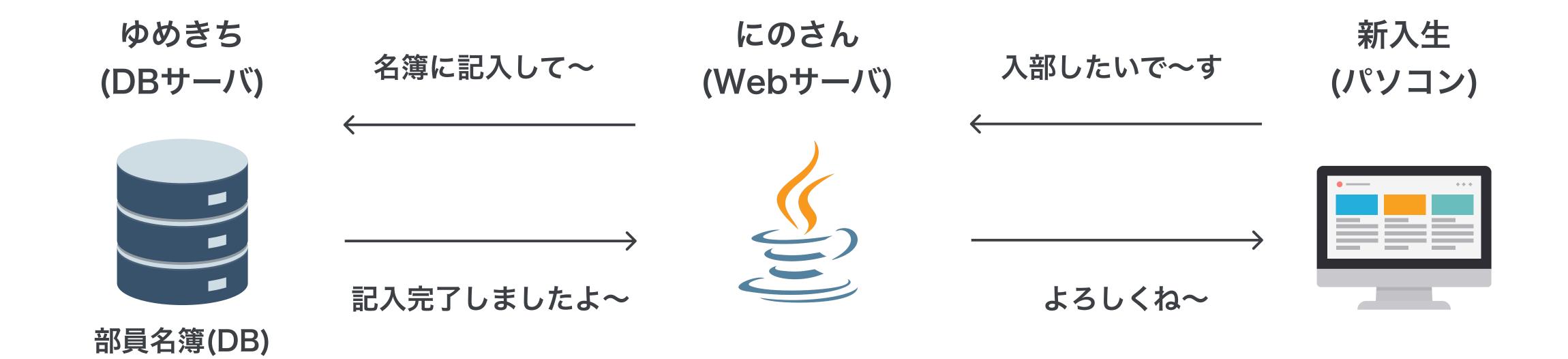












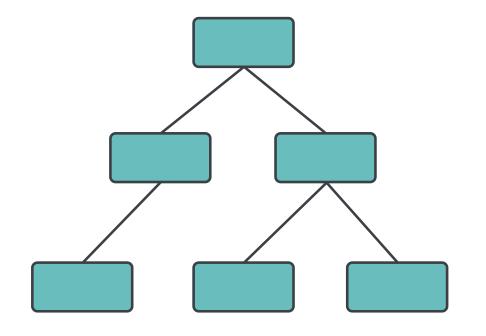


データベースとは

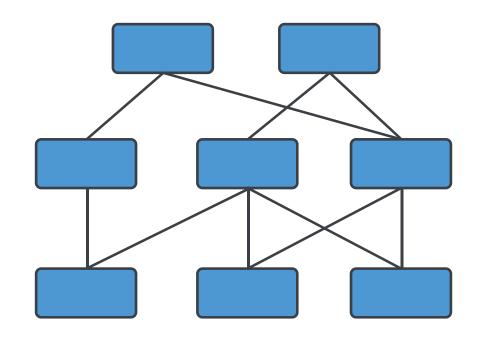
アプリケーションの脳みそみたいなもの。

データベース構成の種類

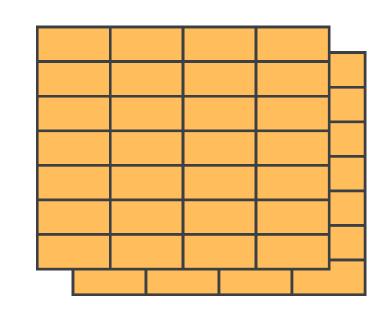
階層型



ネットワーク型

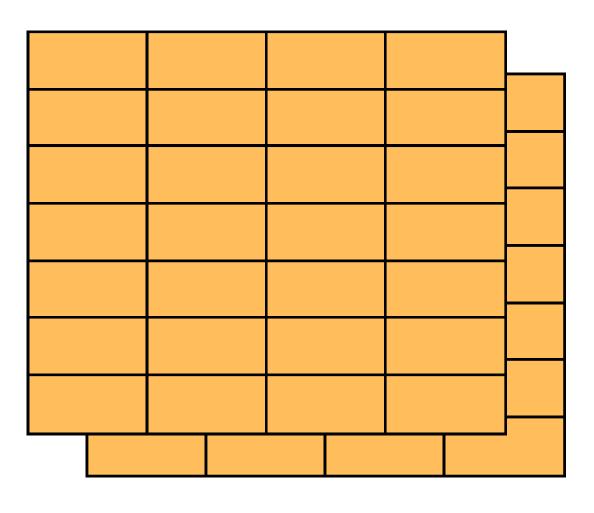


リレーショナル型

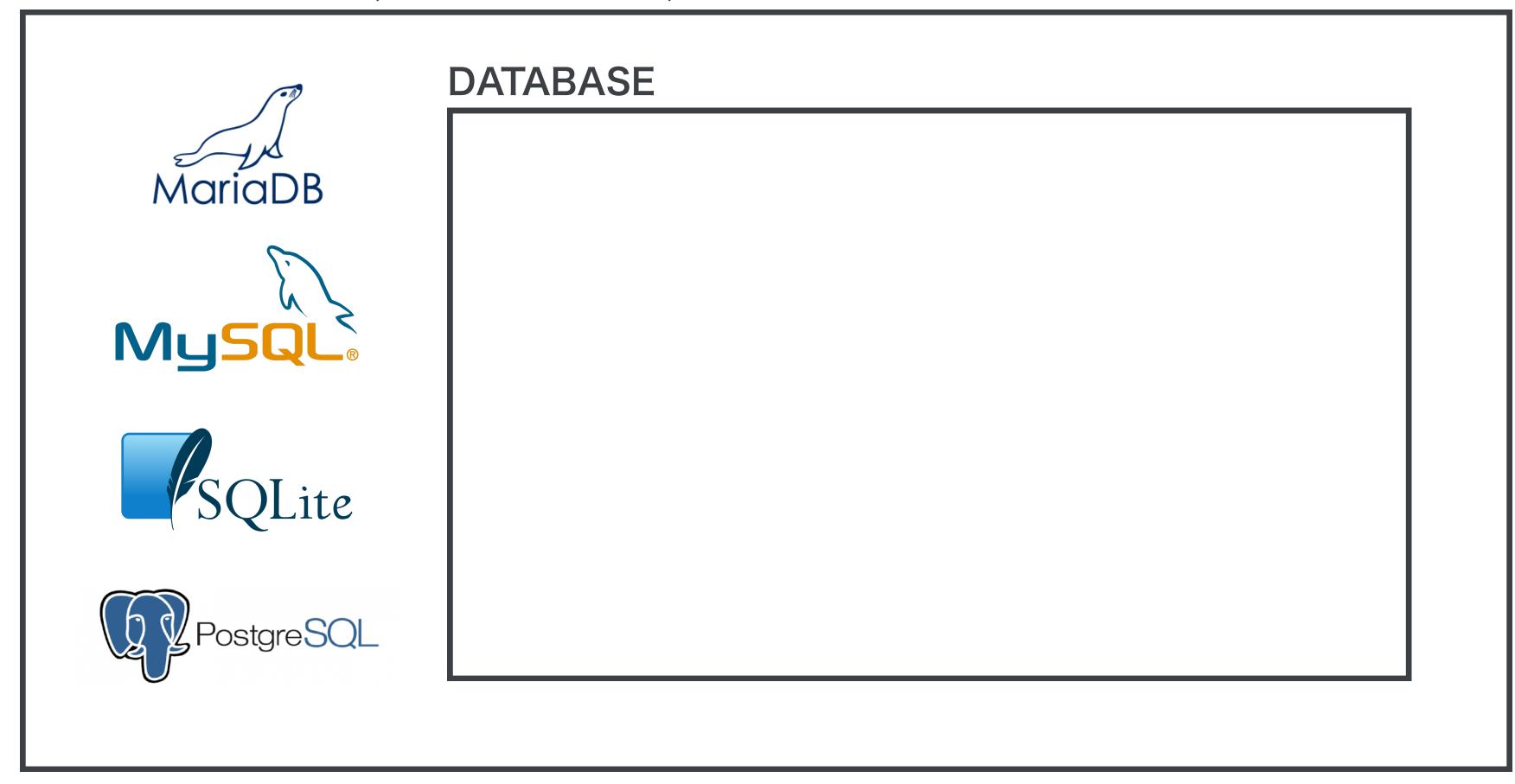


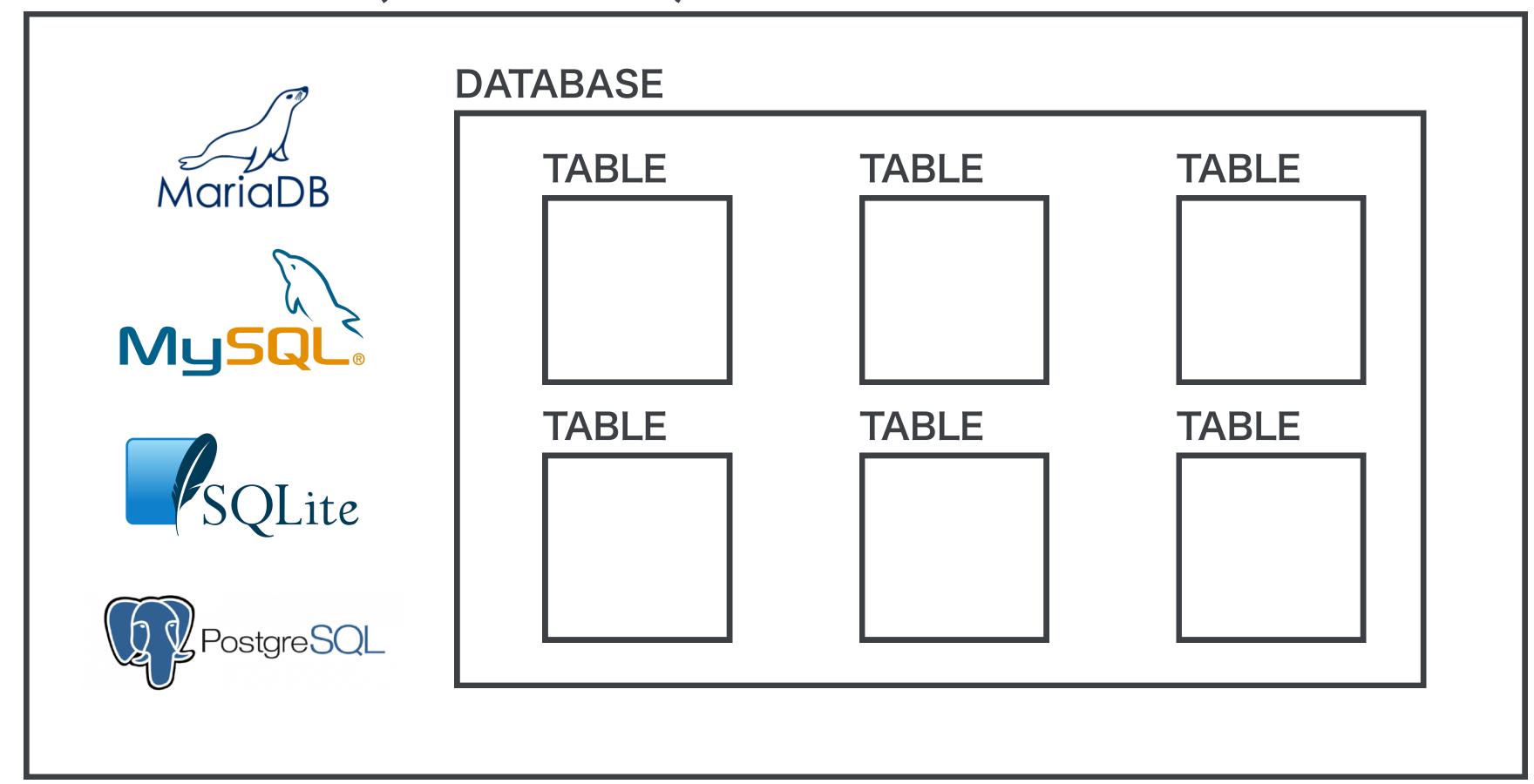
データベース構成の種類

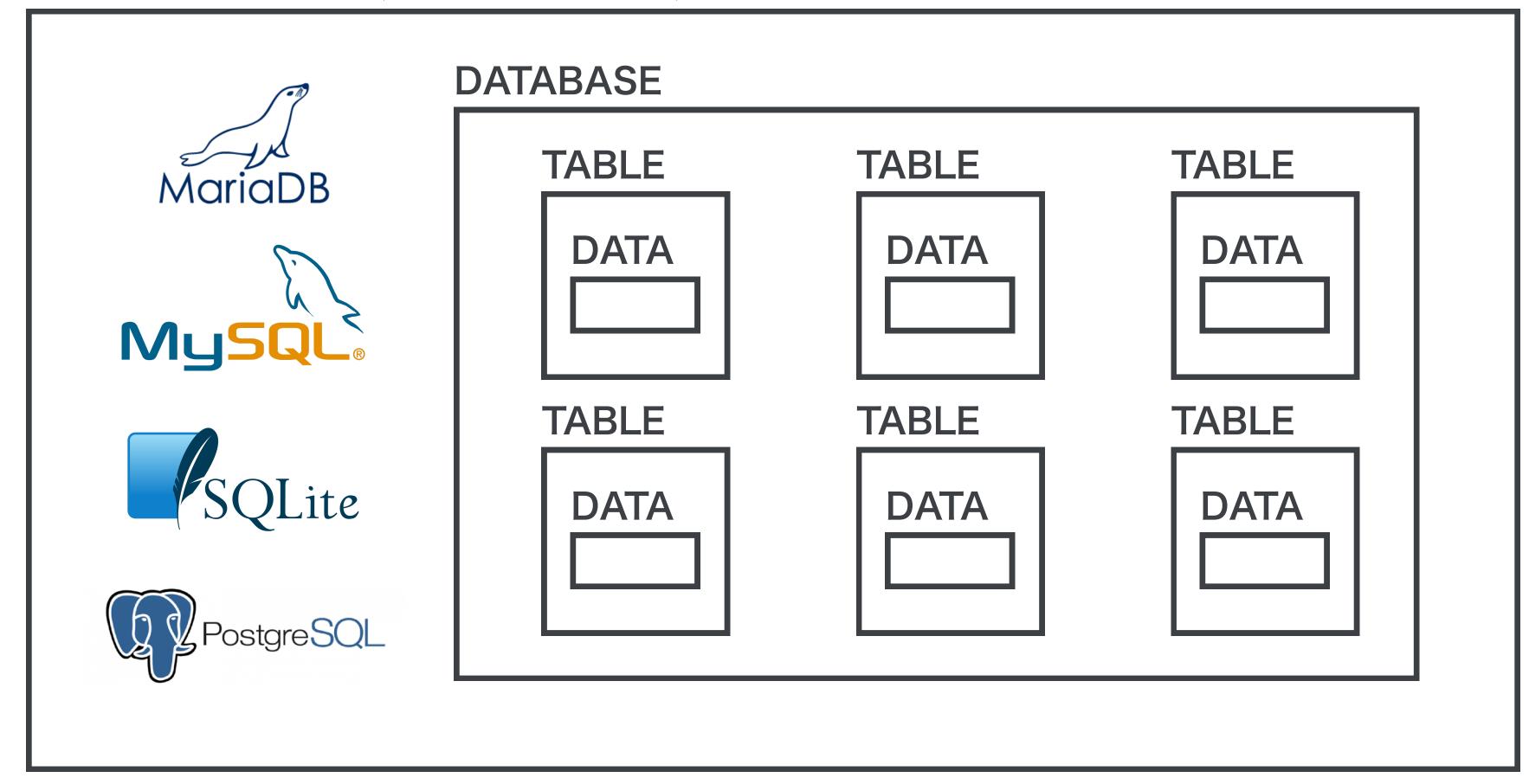
リレーショナル型

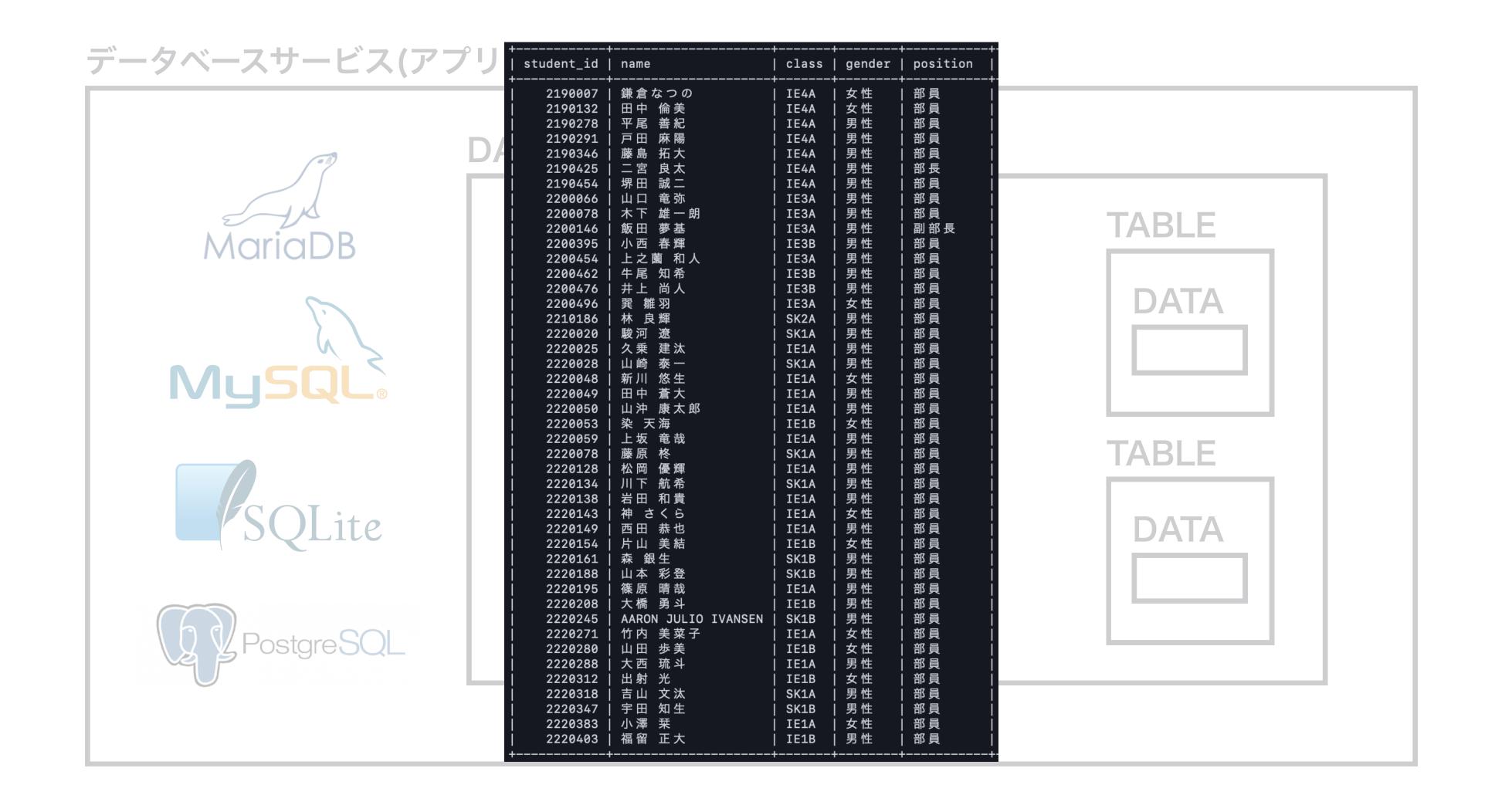












プロ研データベース

部員テーブル

学籍番号	氏名	クラス	性別	役職
2190425	二宮良太	IE4A	男性	部長
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	市民
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
2200146	飯田夢基	IE3A	男性	副部長

勉強会の資料テーブル

資料ID	勉強会名	資料作成者
1	情報システムの構造	2190346
2	Gitについて	2190346
3	Webサーバ	2190346
4	DBについて	2190425
5	APIとの連携	2190346

勉強会参加者テーブル

資料ID	発表日	学籍番号				
1	2022/05/16	2220120				
1	2022/05/16	2220124				
1	2022/05/16	2220251				
1	2022/05/16	2220099				
		<u>:</u>				

2022/06/24

2220386

プロ研データベース

部員テーブル

学籍番号	氏名	クラス	性別	役職
2190425	二宮良太	IE4A	男性	部長
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	市民
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
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4	DBについて	2190425
5	APIとの連携	2190346

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1	2022/05/16	2220124
1	2022/05/16	2220251
1	2022/05/16	2220099
	:	

2022/06/24 2220386



Create Read Update Delete

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Create



C

mysql > INSERT INTO members VALUES (2220777, 'ECC太郎', 'IE1A', '男性', '部員');

学籍番号	氏名	クラス	性別	役職
2190425	二宮良太	IE4A	男性	部長
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	市民
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
2200146	飯田夢基	IE3A	男性	副部長



2200777	ECC太郎	IE1A	男性	部員

Read



R

mysql > SELECT * FROM members WHERE '学籍番号' = 2220777;

学籍番号	氏名	クラス	性別	役職
2190425	二宮良太	IE4A	男性	部長
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	市民
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
2200146	飯田夢基	IE3A	男性	副部長
2200777	ECC太郎	IE1A	男性	部員



mysql > UPDATE members SET クラス='IE2A' WHERE name = '2220777';

学籍番号	氏名	クラス	性別	役職
2190425	二宮良太	IE4A	男性	部長
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	市民
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
2200146	飯田夢基	IE3A	男性	副部長
2200777	ECC太郎	IE1A	男性	部員



学籍番号	氏名	クラス	性別	役職
2190425	二宮良太	IE4A	男性	部長
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	市民
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
2200146	飯田夢基	IE3A	男性	副部長
2200777	ECC太郎	IE2A	男性	部員

Delete



mysql > DELETE FROM members WHERE 学籍番号 = 2220777;

学籍番号	氏名	クラス	性別	役職
2190425	二宮良太	IE4A	男性	部長
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	市民
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
2200146	飯田夢基	IE3A	男性	副部長



学籍番号	氏名	クラス	性別	
2190425	二宮良太	IE4A	男性	
2190346	藤島拓大	IE4A	男性	技術リーダー
2190291	戸田麻陽	IE4A	男性	
2190007	鎌倉なつの	IE4A	女性	女の子は任せた
2200777	ECC太郎	IE1A	男性	部員

