MySQL課題

Primary Key と Foreign Keyの宣言

//親テーブルを作成

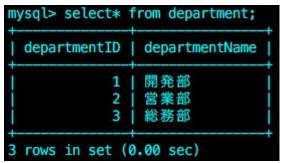
mysql> CREATE TABLE department(departmentID int NOT NULL PRIMARY KEY,departmentName varchar(255))ENGINE = InnoDB;

mysql> CREATE TABLE station(stationID int NOT NULL PRIMARY KEY, stationName varchar(255))ENGINE = InnoDB;

//子テーブルを作成

mysql> CREATE TABLE user(userID int NOT NULL PRIMARY KEY,name varchar(255),tell varchar(255),age int,birthday date,departmentID int,stationID int, FOREIGN KEY(departmentID) REFERENCES department(departmentID), FOREIGN KEY(stationID) REFERENCES station(stationID));

//各レコードを追加



userID	name	tell	age	birthday	departmentID	stationID
1	田中 実	012-345-6789	30	1994-02-01	3	1
2	鈴木 茂	090-1122-3344	37	1987-08-12	3	4
3	鈴木 実	080-5566-7788	24	2000-12-24	2	5
4	佐藤 清	012-0987-6543	19	2005-08-01	1	5
5	高橋 清	090-9900-1234	24	2000-12-24	3	5

//SHOW INDEXでインデックス情報を表示

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
department	0	PRIMARY	1	departmentID	A	3	NULL	NULL	1	BTREE	i	i
row in set	(0.00 sec)		+						1		1	
/sql> SHOW I	INDEX FROM st	ation;										
Table N	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
station	A 1	DDTMADY I	1	stationID	^	5	MIIII	MILL		RTREE		

mysql> SHOW INDEX FROM user;												
Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment
user user user	1	PRIMARY departmentID	1	userID departmentID		5 5	NULL NULL	NULL	YES	BTREE BTREE		
+	1	stationID	1	stationID	A	5	NULL	NULL	YES	BTREE		