1. Write a query to display the ff columns ID (should start

with T + 11 digits of trn\_teacher.id with leading zeros like

'T00000088424'), Nickname, Status and Roles (like

Trainer/Assessor/Staff) using table trn\_teacher and

trn\_teacher\_role.

Answer:

SELECT CONCAT('T',(LPAD(trn\_teacher.id,11,'0'))) AS ID,

trn\_teacher.nickname AS Nickname,

CASE

WHEN trn\_teacher.`status` = 0 THEN 'Discontinued'

WHEN trn\_teacher.`status` = 1 THEN 'Active'

WHEN trn\_teacher.`status` = 2 THEN 'Deactivated'

END AS Status,

CASE

WHEN trn\_teacher\_role.role = 1 THEN 'Trainer'

WHEN trn\_teacher\_role.role = 2 THEN 'Assessor'

WHEN trn\_teacher\_role.role = 3 THEN 'Staff'

END AS Roles

FROM trn\_teacher

RIGHT JOIN trn\_teacher\_role

ON

trn\_teacher.id = trn\_teacher\_role.teacher\_id

ORDER BY trn\_teacher.nickname ASC;

2. Write a query to display the ff columns ID (from teacher.id),

Nickname, Open (total open slots from trn\_teacher\_time\_table),

Reserved (total reserved slots from trn\_teacher\_time\_table),

Taught (total taught from trn\_evaluation) and NoShow (total

no\_show from trn\_evaluation) using all tables above. Should

show only those who are active (trn\_teacher.status = 1 or 2)

and those who have both Trainer and Assessor Role.

Answer:

SELECT trn\_teacher.id AS ID,

trn\_teacher.nickname AS Nickname,

COUNT(IF (trn\_time\_table.`status` = 1,1,NULL ))AS Open,

COUNT(IF(trn\_time\_table.`status` = 3,1,NULL))AS Reserved

FROM trn\_teacher

INNER JOIN trn\_teacher\_role

ON

trn\_teacher.id = trn\_teacher\_role.teacher\_id

INNER JOIN trn\_time\_table

ON trn\_teacher.id = trn\_time\_table.teacher\_id

WHERE trn\_teacher.status IN(1,2)

AND

trn\_teacher\_role.role = 2

GROUP BY

trn\_teacher.id