7.

Using a self join

Give a list of all the services which connect stops 115 and 137 ('Haymarket' and 'Leith')

SELECT DISTINCT a.company, a.num
FROM route a JOIN route b ON

(a.company=b.company AND a.num=b.num)
WHERE a.stop=115 AND b.stop=137

Submit SQL Restore default

8. Give a list of the services which connect the stops 'Craiglockhart' and 'Tollcross'

SELECT DISTINCT a.company, a.num

Correct answer

num

12

22

25

2A

C5

company

LRT

LRT

LRT

LRT

LRT

SMT

Give a list of the services which connect the stops 'Craiglockhart' and 'Tollcross'

SELECT DISTINCT a.company, a.num
FROM route a JOIN route b ON a.company=b.company AND a.num=b.num
JOIN stops stopa ON stopa.id=a.stop
JOIN stops stopb ON stopb.id=b.stop
WHERE stopa.name='Craiglockhart'
AND stopb.name='Tollcross';

Restore default

Give a distinct list of the **stops** which may be reached from 'Craiglockhart' by taking one bus, including 'Craiglockhart' itself, offered by the LRT company. Include the company and bus no. of the relevant services.

SELECT DISTINCT stopb.name, a.company, a.num
FROM route a JOIN route b ON a.company-b.company AND a.num=b.num
JOIN stops stopa ON stopa.id = a.stop
JOIN stops stop on stopb.id = b.stop
WHERE stopa.name='Craiglockhart'

Find the routes involving two buses that can go from Craiglockhart to Lochend.

Show the bus no. and company for the first bus, the name of the stop for the transfer, and the bus no. and company for the second bus.

Hint

SELECT a.num, a.company, transl.name, c.num, c.company
FROM route a JOIN route b ON (a.company = b.company AND a.num = b.num)
JOIN ( route c JOIN route d ON (c.company = d.company AND c.num = d.num))
JOIN stops transl ON (b.stop = transl.id)
JOIN stops trans2 ON (c.stop = transl.id)
JOIN stops trans2 ON (c.stop = transl.id)

Clear your results Self join Quiz