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Reference

Tools

Self join Quiz

SELF JOIN quiz

stops	route
id	num
name	company
	pos
	stop

1. Select the code that would show it is possible to get from Craiglockhart to Haymarket

```
SELECT DISTINCT a.name, b.name
FROM stops a JOIN route z IN a.id=z.stop
JOIN route y ON y.num = z.num
JOIN stops b IN y.stop=b.id
WHERE a.name='Craiglockhart' AND b.name ='Haymarket'
```

```
SELECT DISTINCT a.name, b.name
FROM stops a JOIN route z ON a.id=z.stop
JOIN route y JOIN stops b ON y.stop=b.id
WHERE a.name='Craiglockhart' AND b.name ='Haymarket'
```

```
SELECT DISTINCT a.name, b.name
FROM stops a JOIN route z ON a.id=z.stop
JOIN route y ON y.num = z.num
JOIN stops b ON y.stop=b.id
WHERE a.name='Craiglockhart' AND b.name ='Haymarket'
```

```
SELECT DISTINCT a.name, b.name from stops a
JOIN route z ON a.id=z.stop
JOIN route y ON y.num = z.num
JOIN stops b ON y.stop=b.id
WHERE a.name='Craiglockhart' AND b.name ='Sighthill'
```

```
SELECT DISTINCT a.name, b.name
FROM stops a JOIN route z ON a.id=z.stop
JOIN route y ON y.num = z.num
JOIN stops b ON y.stop=b.id
WHERE y.name='Craiglockhart' AND z.name ='Haymarket'
```

2. Select the code that shows the stops that are on route.num '2A' which can be reached with one bus from Haymarket?

```
SELECT S2.id, S2.name, R2.company, R2.num
FROM stops S1, stops S2, route R1, route R2
WHERE S1.name='Haymarket' AND S1.id=R1.stop
AND S1.company=S2.company AND S1.num=S2.num
AND R2.stop=S2.id AND R1.num='2A'
```

```
SELECT S2.id, S2.name, R2.company, R2.num
FROM stops S1, stops S2, route R1, route R2
WHERE S1.name='Haymarket' AND S1.id=R1.num
AND R1.company=R2.company AND R1.num=R2.num
AND R2.stop=S2.id AND R2.num='2A'
```

```
SELECT S2.id, S2.name, R2.company, R2.num
FROM stops S1, stops S2, route R1, route R2
WHERE S1.name='Haymarket' AND S1.id=R1.stop
AND R1.company=R2.company AND R1.num=R2.num
AND R2.stop=S2.id
```

```
SELECT S2.id, S2.name, R2.company, R2.num
FROM stops S1, stops S2, route R1, route R2
WHERE S1.name='Haymarket' AND S1.id=R1.stop
AND R1.company=R2.company AND R1.num=R2.num
AND R2.stop=S2.id AND R2.num='2'
```

```
SELECT S2.id, S2.name, R2.company, R2.num
FROM stops S1, stops S2, route R1, route R2
WHERE S1.name='Haymarket' AND S1.id=R1.stop
AND R1.company=R2.company AND R1.num=R2.num
AND R2.stop=S2.id AND R2.num='2A'
```

3. Select the code that shows the services available from Tollcross?

```
SELECT a.company, a.num, stopa.name, stopb.name
FROM route a JOIN route b ON (a.company=b.company AND a.num=b.num)
JOIN stops stopa ON (a.stop=stopa.id)
JOIN stops stopb ON (b.stop=stopb.id)
```

```
SELECT a.company, a.num, stopa.name, stopb.name
FROM route a JOIN route b ON (a.company=b.company AND a.num=b.num)
JOIN stops stopa ON (a.stop=stopa.id)
JOIN stops stopb ON (b.stop=stopb.id)
WHERE stopa.name='Sighthill'
```

```
SELECT a.company, a.num, stopa.name, stopb.name
FROM route a JOIN route b IN (a.company=b.company AND a.num=b.num)
JOIN stops stopa IN (a.stop=stopa.id)
JOIN stops stopb ON (b.stop=stopb.id)
WHERE stopa.name='Tollcross'
```

```
SELECT a.company, a.num, stopa.name, stopb.name
FROM route a JOIN route b ON (a.company=b.company AND a.num=b.num)
JOIN stops stopa ON (a.stop=stopa.id)
JOIN stops stopb ON (b.stop=stopb.id)
WHERE stopa.name='Tollcross'
```

```
SELECT a.company, a.num, stopa.name, stopb.name
FROM route a JOIN route b ON (a.company=b.company AND a.num=b.num)
JOIN stops stopa ON (a.stop=stopa.id)
JOIN stops stopb ON (b.stop=stopb.id)
WHERE stopz.name='Tollcross'
```

Score the test

Your score is: 3 out of 3

Category: Quizzes