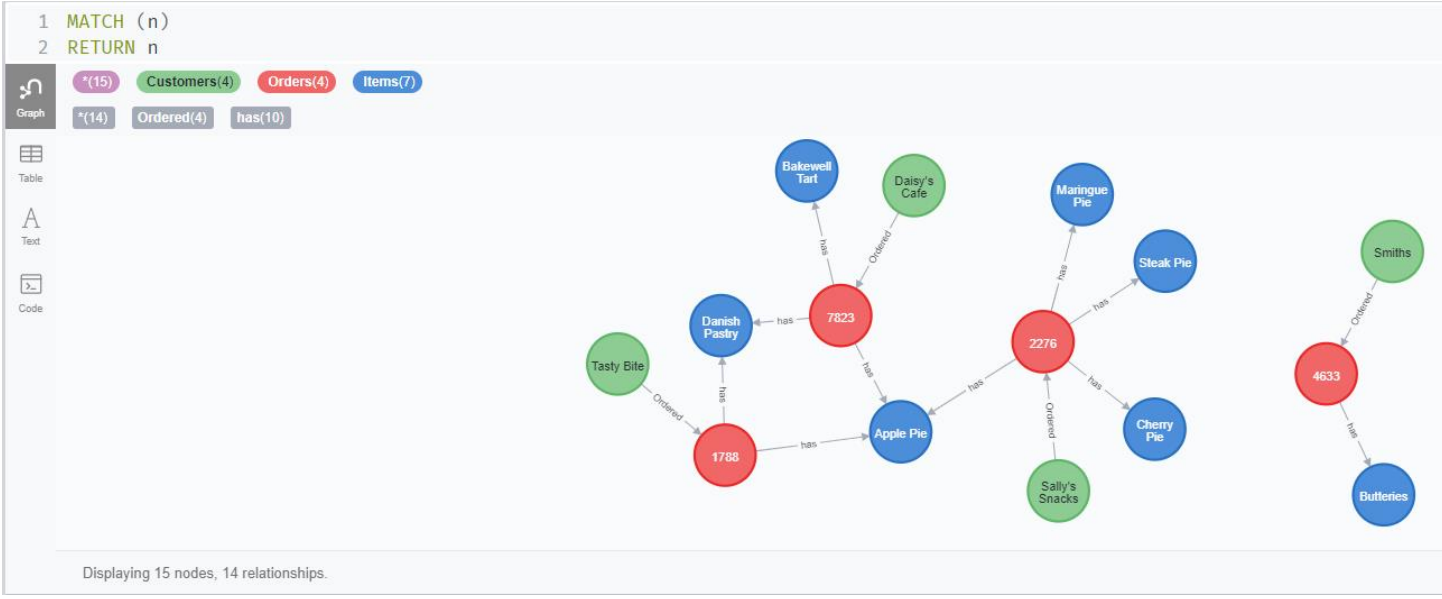
Creating Tables

```
Create(c1:Customers{Name:"Daisy's Cafe", Address:"27 Bay Drive, Cove"})
Create(c2:Customers{Name:"Smiths", Address:"12 Dee View, Aberdeen"})
Create(c3:Customers{Name:"Sally's Snacks", Address:"3 High Street, Banchory"})
Create(c4:Customers{Name:"Tasty Bite", Address:"17 WoodPlace, Insch"})


Create(o1:Orders{No:7823, Acc_No:178, Date:"16/7", Total_Cost:12.35})
Create(o2:Orders{No:4633, Acc_No:526, Date:"16/7", Total_Cost:24.00})
Create(o3:Orders{No:2276, Acc_No:167, Date:"17/7", Total_Cost:56.50})
Create(o4:Orders{No:1788, Acc_No:032, Date:"18/7", Total_Cost:7.50})


Create(i1:Items{Name:"Bakewell Tart", Price:0.15})
Create(i2:Items{Name:"Danish Pastry", Price:0.20})
Create(i3:Items{Name:"Apple Pie", Price:0.15})
Create(i4:Items{Name:"Butteries", Price:0.20})
Create(i5:Items{Name:"Cherry Pie", Price:0.18})
Create(i6:Items{Name:"Steak Pie", Price:0.50})
Create(i7:Items{Name:"Maringue Pie", Price:0.20})


Create(c1)-[:Ordered]->(o1)
Create(c2)-[:Ordered]->(o2)
Create(c3)-[:Ordered]->(o3)
Create(c4)-[:Ordered]->(o4)

Create(o1)-[:has{Qty:20}]->(i1)
Create(o1)-[:has{Qty:13}]->(i2)
Create(o1)-[:has{Qty:45}]->(i3)
Create(o2)-[:has{Qty:120}]->(i4)
Create(o3)-[:has{Qty:130}]->(i3)
Create(o3)-[:has{Qty:100}]->(i5)
Create(o3)-[:has{Qty:30}]->(i6)
Create(o3)-[:has{Qty:20}]->(i7)
Create(o4)-[:has{Qty:15}]->(i3)
Create(o4)-[:has{Qty:50}]->(i2)
```

Q1

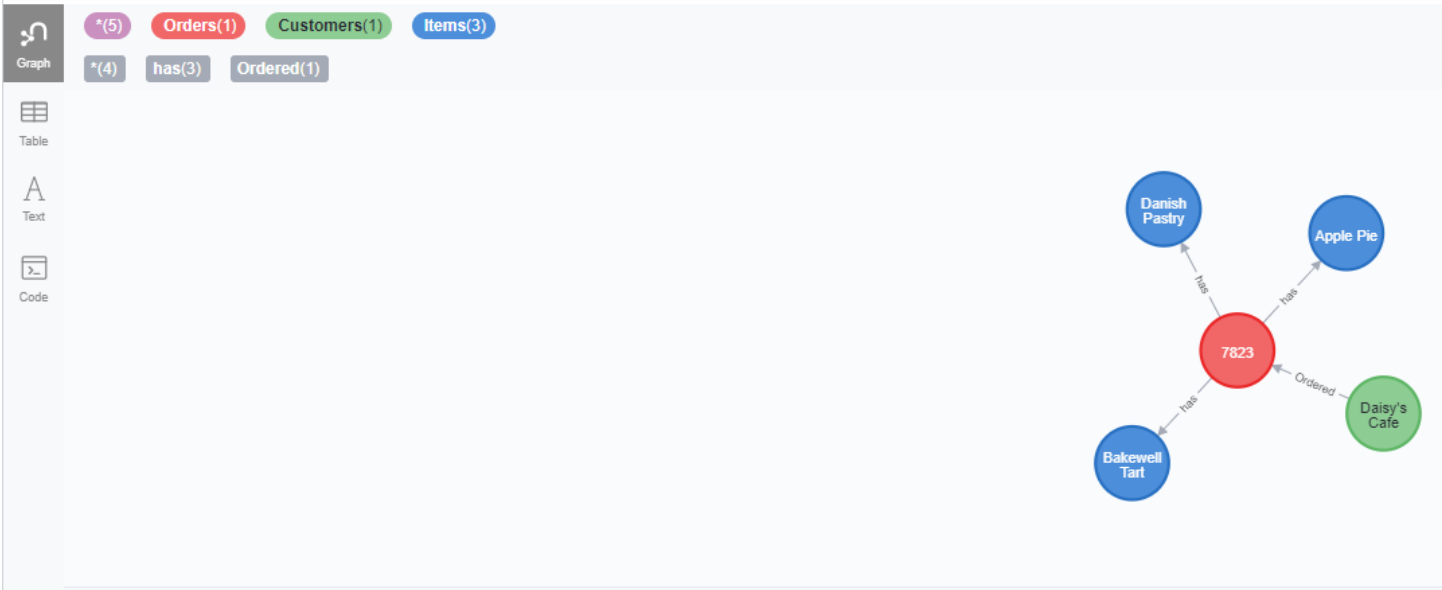
```
1 MATCH (n)
2 RETURN n
```



Displaying 15 nodes, 14 relationships.

Q2

```
1 Match(o:Orders)←[Ordered]-(c:Customers)
2 Match(o:Orders)-[:has]→(i:Items)
3 Where o.No=7823
4 Return o, c, i
```



Displaying 5 nodes, 4 relationships.

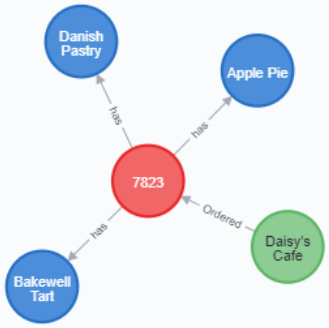
Q3

```
1 Match(o:Orders)←[Ordered]-(c:Customers)
2 Match(o:Orders)-[:has]→(i:Items)
3 Where o.No=7823 and o.Date="16/7"
4 Return o, c, i
5
```

Graph | Table | Text | Code

*(5) Orders(1) Customers(1) Items(3)

*(4) has(3) Ordered(1)



Displaying 5 nodes, 4 relationships.

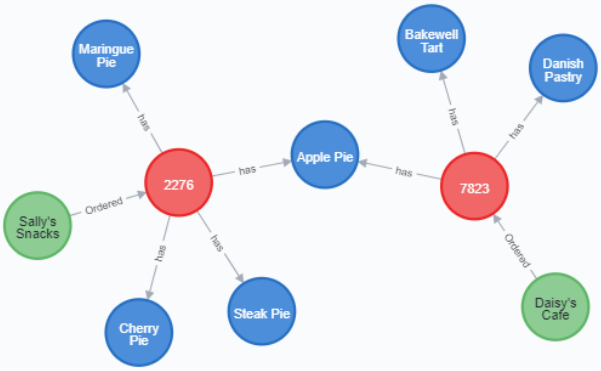
Q4

```
1 Match(o:Orders)←[Ordered]-(c:Customers)
2 Match(o:Orders)-[:has]→(i:Items)
3 Where o.No=7823 or o.Date="17/7"
4 Return o, c, i
```

Graph | Table | Text | Code

*(10) Orders(2) Customers(2) Items(6)

*(9) Ordered(2) has(7)



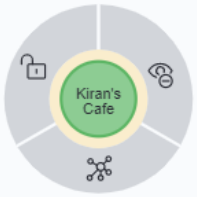
Displaying 10 nodes, 9 relationships.

Q5

```
1 Match(c:Customers)
2 Where c.Name="Daisy's Cafe"
3 Set c.Name="Kiran's Cafe"
4 Return c
```

*(1) Customers(1)

Graph Table Text Code



Customers <id>: 6 **Address:** 27 Bay Drive, Cove **Name:** Kiran's Cafe

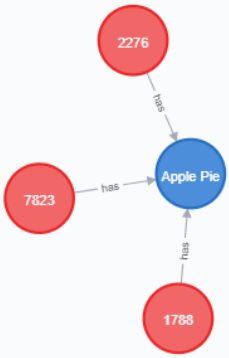
Q6

```
1 Match(o:Orders)-[:has]→(i:Items)
2 Where i.Name="Apple Pie"
3 Return o, i
4
```

*(4) Orders(3) Items(1)

*(3) has(3)

Graph Table Text Code



Displaying 4 nodes, 3 relationships.

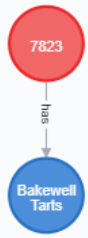
Q7

```
1 Match(i:Items)←[has]-(o:Orders)
2 Where i.Name="Bakewell Tart"
3 Set i.Name="Bakewell Tarts", o.Date='7/17'
4 Return i, o
5
```

Graph | Table | Text | Code

*(2) Items(1) Orders(1)

*(1) has(1)



Displaying 2 nodes, 1 relationships.

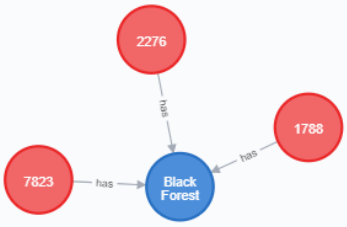
Q8

```
1 Match(i:Items)←[has]-(o:Orders)
2 Where i.Name="Apple Pie"
3 Set i.Name="Black Forest"
4 Return i, o
5
```

Graph | Table | Text | Code

*(4) Items(1) Orders(3)

*(3) has(3)



Displaying 4 nodes, 3 relationships.

Q9

```
1 Match(o:Orders)
2 Where o.No=4633
3 Detach Delete o
4
```

Table

Code

Deleted 1 node, deleted 2 relationships, completed after 2 ms.

Deleted 1 node, deleted 2 relationships, completed after 2 ms.

Q10

```
1 Match(o:Orders)
2 Return o
3 Order By o.No Asc
```

Graph

Table

Text

Code

```
"o"
{"Total_Cost":7.5,"No":1788,"Acc_No":26,"Date":"18/7"}
{"Total_Cost":56.5,"No":2276,"Acc_No":167,"Date":"17/7"}
{"Total_Cost":12.35,"No":7823,"Acc_No":178,"Date":"7/17"}
```

Q11

```
1 Match(o:Orders)
2 Return Count(o) As `Total Orders`
```

Table

Text

Code

```
╒══════════════╕
│"Total Orders"│
╞══════════════╡
│3             │
└──────────────┘
```

Q12

```
1 Match(o:Orders)-[h:has]→(i:Items)
2 where o.No=7823 and i.Name="Danish Pastry"
3 Delete h
```

Table

Code

Deleted 1 relationship, completed after 9 ms.

Deleted 1 relationship, completed after 9 ms.

Q13

```
1 Match(o:Orders)-[h:has]→(i:Items)
2 With o, Sum(h.Qty) As TOQ
3
4 Match(o:Orders)-[h:has]→(i:Items)
5 Return Max(TOQ) As MO
```

Table

Text

Code

```
┌─────┐
│"MO" │
├─────┤
│280  │
└─────┘
```