# Sample Database

- To illustrate the features of SQL, we use a small example database below:

Beers( *name*, manf ), Bars( *name*, addr, license )

Drinkers( *name*, addr, phone ), Likes( *drinker, beer* )

Sells( *bar, beer*, price ), Frequents( *drinker, bar* )

- keys are in *italic* font and highlighted by underscore.

# Sample Database(cont)

**Bars:**

| Name | Addr | License |
|---|---|---|
| Australia Hotel | The Rocks | 123456 |
| Coogee Bay Hotel | Coogee | 966500 |
| Lord Nelson | The Rocks | 123888 |
| Marble Bar | Sydney | 122123 |
| Regent Hotel | Kingsford | 987654 |
| Royal Hotel | Randwick | 938500 |

**Drinkers:**

| Name | Addr | Phone |
|---|---|---|
| Adam | Randwick | 9385-4444 |
| Gernot | Newtown | 9415-3378 |
| John | Clovelly | 9665-1234 |
| Justin | Mosman | 9845-4321 |

# Sample Database(cont)

**Beers:**

| Name | Manf |
|---|---|
| 80/- | Caledonian |
| Bigfoot Barley Wine | Sierra Nevada |
| Burragorang Bock | George IV Inn |
| Crown Lager | Carlton |
| Fosters Lager | Carlton |
| Invalid Stout | Carlton |
| Melbourne Bitter | Carlton |
| New | Toohey's |
| Old | Toohey's |
| Old Admiral | Lord Nelson |
| Pale Ale | Sierra Nevada |
| Premium Lager | Cascade |
| Red | Toohey's |
| Sheaf Stout | Toohey's |
| Sparkling Ale | Cooper's |
| Stout | Cooper's |
| Three Sheets | Lord Nelson |
| Victoria Bitter | Carlton |

# Sample Database(cont)

**Likes:**

| Drinker | Beer |
|---------|------|
| Adam | Crown Lager |
| Adam | Fosters Lager |
| Adam | New |
| Gernot | Premium Lager |
| Gernot | Sparkling Ale |
| John | 80/- |
| John | Bigfoot Barley Wine |
| John | Pale Ale |
| John | Three Sheets |
| Justin | Sparkling Ale |
| Justin | Victoria Bitter |

**Frequents:**

| Drinker | Bar |
|---------|-----|
| Adam | Coogee Bay Hotel |
| Gernot | Lord Nelson |
| John | Coogee Bay Hotel |
| John | Lord Nelson |
| John | Australia Hotel |
| Justin | Regent Hotel |
| Justin | Marble Bar |

# Sample Database(cont)

**Sells:**

| Bar | Beer | Price |
|---|---|---|
| Australia Hotel | Burragorang Bock | 3.5 |
| Coogee Bay Hotel | New | 2.25 |
| Coogee Bay Hotel | Old | 2.5 |
| Coogee Bay Hotel | Sparkling Ale | 2.8 |
| Coogee Bay Hotel | Victoria Bitter | 2.3 |
| Lord Nelson | Three Sheets | 3.75 |
| Lord Nelson | Old Admiral | 3.75 |
| Marble Bar | New | 2.8 |
| Marble Bar | Old | 2.8 |
| Marble Bar | Victoria Bitter | 2.8 |
| Regent Hotel | New | 2.2 |
| Regent Hotel | Victoria Bitter | 2.2 |
| Royal Hotel | New | 2.3 |
| Royal Hotel | Old | 2.3 |
| Royal Hotel | Victoria Bitter | 2.3 |

**Beers:**

| Name | Manf |
|------|------|
| 80/- | Caledonian |
| Bigfoot Barley Wine | Sierra Nevada |
| Burragorang Bock | George IV Inn |
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| Fosters Lager | Carlton |
| Invalid Stout | Carlton |
| Melbourne Bitter | Carlton |
| New | Toohey's ← |
| Old | Toohey's ← |
| Old Admiral | Lord Nelson |
| Pale Ale | Sierra Nevada |
| Premium Lager | Cascade |
| Red | Toohey's ← |
| Sheaf Stout | Toohey's ← |
| Sparkling Ale | Cooper's |
| Stout | Cooper's |
| Three Sheets | Lord Nelson |
| Victoria Bitter | Carlton |

SQL Queries:  What beers are made by Toohey's?"

*SELECT Name FROM Beers WHERE Manf = 'Toohey''s';*