select \* from inhabitant

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Paul Bakerman | 1 | m | baker | 850 | friendly |
| 2 | Ernest Perry | 3 | m | weaponsmith | 280 | friendly |
| 3 | Rita Ox | 1 | f | baker | 350 | friendly |
| 4 | Carl Ox | 1 | m | merchant | 250 | friendly |
| 5 | Dirty Dieter | 3 | m | smith | 650 | evil |
| 6 | Gerry Slaughterer | 2 | m | butcher | 4850 | evil |
| 7 | Peter Slaughterer | 3 | m | butcher | 3250 | evil |
| 8 | Arthur Tailor | 2 | m | pilot | 490 | kidnapped |
| 9 | Tiffany Drummer | 1 | f | baker | 550 | evil |
| 10 | Peter Drummer | 1 | m | smith | 600 | friendly |
| 11 | Dirty Diane | 3 | f | farmer | 10 | evil |
| 12 | Otto Alexander | 2 | m | dealer | 680 | friendly |
| 13 | Fred Dix | 3 | m | author | 420 | friendly |
| 14 | Enrico Carpenter | 3 | m | weaponsmith | 510 | evil |
| 15 | Helen Grasshead | 2 | f | dealer | 680 | friendly |
| 16 | Ivy Hatter | 1 | f | dealer | 770 | evil |
| 17 | Edward Grasshead | 3 | m | butcher | 990 | friendly |
| 18 | Ryan Horse | 3 | m | blacksmith | 390 | friendly |
| 19 | Ann Meaty | 2 | f | butcher | 2280 | friendly |

**Yeah!**

SELECT \* FROM inhabitant WHERE job = 'butcher'

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 6 | Gerry Slaughterer | 2 | m | butcher | 4850 | evil |
| 7 | Peter Slaughterer | 3 | m | butcher | 3250 | evil |
| 17 | Edward Grasshead | 3 | m | butcher | 990 | friendly |
| 19 | Ann Meaty | 2 | f | butcher | 2280 | friendly |

**Yeah!**

select \* from inhabitant

where state='friendly'

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Paul Bakerman | 1 | m | baker | 850 | friendly |
| 2 | Ernest Perry | 3 | m | weaponsmith | 280 | friendly |
| 3 | Rita Ox | 1 | f | baker | 350 | friendly |
| 4 | Carl Ox | 1 | m | merchant | 250 | friendly |
| 10 | Peter Drummer | 1 | m | smith | 600 | friendly |
| 12 | Otto Alexander | 2 | m | dealer | 680 | friendly |
| 13 | Fred Dix | 3 | m | author | 420 | friendly |
| 15 | Helen Grasshead | 2 | f | dealer | 680 | friendly |
| 17 | Edward Grasshead | 3 | m | butcher | 990 | friendly |
| 18 | Ryan Horse | 3 | m | blacksmith | 390 | friendly |
| 19 | Ann Meaty | 2 | f | butcher | 2280 | friendly |

**Yeah!**

select \* from inhabitant

where state='friendly' and job='weaponsmith'

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 2 | Ernest Perry | 3 | m | weaponsmith | 280 | friendly |

**Yeah!**

select \* from inhabitant

where state='friendly' and job like'%smith'

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 2 | Ernest Perry | 3 | m | weaponsmith | 280 | friendly |
| 10 | Peter Drummer | 1 | m | smith | 600 | friendly |
| 18 | Ryan Horse | 3 | m | blacksmith | 390 | friendly |

**Yeah!**

INSERT INTO inhabitant (name, villageid, gender, job, gold, state) VALUES ('Stranger', 1, '?', '?', 0, '?')

**Yeah!**

select personid from inhabitant

where personid=20

| **personid** |
| --- |
| 20 |

**Yeah!**

select gold from inhabitant

where personid=20

| **gold** |
| --- |
| 0 |

**Yeah!**

select \* from item

where owner is null

| **item** | **owner** |
| --- | --- |
| teapot | null |
| ring | null |
| coffee cup | null |
| bucket | null |
| carton | null |
| lightbulb | null |

**Yeah!**

UPDATE item SET owner = 20 WHERE item = 'coffee cup'

**Yeah!**

Select \* from item

where owner=20

| **item** | **owner** |
| --- | --- |
| coffee cup | 20 |

**Yeah!**

Update item

select \* from item where owner=20

| **item** | **owner** |
| --- | --- |
| teapot | 20 |
| ring | 20 |
| coffee cup | 20 |
| bucket | 20 |
| carton | 20 |
| lightbulb | 20 |

**Yeah!**

select \* from inhabitant

where (job ='dealer' or job='merchant')

and state='friendly'

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 4 | Carl Ox | 1 | m | merchant | 250 | friendly |
| 12 | Otto Alexander | 2 | m | dealer | 680 | friendly |
| 15 | Helen Grasshead | 2 | f | dealer | 680 | friendly |

**Yeah!**

select \* from item

| **item** | **owner** |
| --- | --- |
| teapot | 20 |
| cane | 5 |
| hammer | 2 |
| ring | 20 |
| coffee cup | 20 |
| bucket | 20 |
| rope | 17 |
| carton | 20 |
| lightbulb | 20 |

update item

set owner=15

where item='ring' or item='teapot'

**Yeah!**

UPDATE inhabitant SET gold = gold + 120 WHERE personid = 20

**Yeah!**

update item

set owner=15

where item='ring' or item='teapot'

update inhabitant

set name='Bryce'

where name='Stranger'

**Yeah!**

select \* from inhabitant

where job='baker'

order by gold desc

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | Paul Bakerman | 1 | m | baker | 850 | friendly |
| 9 | Tiffany Drummer | 1 | f | baker | 550 | evil |
| 3 | Rita Ox | 1 | f | baker | 350 | friendly |

**Yeah!**

UPDATE inhabitant SET gold = gold + 100 - 150 WHERE personid = 20

**Yeah!**

INSERT INTO item (item, owner) VALUES ('sword', 20)

**Yeah!**

select \* from inhabitant

where job='pilot'

| **personid** | **name** | **villageid** | **gender** | **job** | **gold** | **state** |
| --- | --- | --- | --- | --- | --- | --- |
| 8 | Arthur Tailor | 2 | m | pilot | 490 | kidnapped |

**Yeah!**

SELECT village.name FROM village, inhabitant WHERE village.villageid = inhabitant.villageid AND inhabitant.name = 'Dirty Dieter'

| **name** |
| --- |
| Onionville |

**Yeah!**

select inhabitant.name from village, inhabitant

on village.villageid = inhabitant.villageid

where village.name='Onionville'

and village.chief=inhabitant.personid

| **name** |
| --- |
| Fred Dix |

**Yeah!**

SELECT COUNT(\*) FROM inhabitant, village WHERE village.villageid = inhabitant.villageid AND village.name = 'Onionville'

| **COUNT(\*)** |
| --- |
| 8 |

**Yeah!**

select count(\*) from village, inhabitant

on village.villageid = inhabitant.villageid

where village.name='Onionville'

and inhabitant.gender='f';

| **count(\*)** |
| --- |
| 1 |

**Yeah!**

select inhabitant.name from village, inhabitant

on village.villageid = inhabitant.villageid

where village.name='Onionville'

and inhabitant.gender='f';

| **name** |
| --- |
| Dirty Diane |

**Yeah!**

SELECT SUM(inhabitant.gold) FROM inhabitant, village WHERE village.villageid = inhabitant.villageid AND village.name = 'Cucumbertown'

| **SUM(inhabitant.gold)** |
| --- |
| 8980 |

**Yeah!**

select sum(gold) from inhabitant

where job='baker' or job='dealer' or job='merchant'

| **sum(gold)** |
| --- |
| 4130 |

**Yeah!**

SELECT job, SUM(inhabitant.gold), AVG(inhabitant.gold) FROM inhabitant GROUP BY job ORDER BY AVG(inhabitant.gold)

| **job** | **SUM(inhabitant.gold)** | **AVG(inhabitant.gold)** |
| --- | --- | --- |
| farmer | 10 | 10.0 |
| ? | 70 | 70.0 |
| merchant | 250 | 250.0 |
| blacksmith | 390 | 390.0 |
| weaponsmith | 790 | 395.0 |
| author | 420 | 420.0 |
| pilot | 490 | 490.0 |
| baker | 1750 | 583.333333333333 |
| smith | 1250 | 625.0 |
| dealer | 2130 | 710.0 |
| butcher | 11370 | 2842.5 |

**Yeah!**

select state, avg(gold) from inhabitant

group by state;

| **state** | **avg(gold)** |
| --- | --- |
| ? | 70.0 |
| evil | 1512.85714285714 |
| friendly | 706.363636363636 |
| kidnapped | 490.0 |

**Yeah!**

DELETE FROM inhabitant WHERE name = 'Dirty Dieter'

**Yeah!**

delete from inhabitant

where name='Dirty Diane'

**Yeah!**

update inhabitant

set state='friendly'

where job='pilot'

**Yeah!**

UPDATE inhabitant SET state = 'emigrated' WHERE personid = 20

**Yeah!**

update inhabitant

set state='friendly'

where job='pilot'

A certificate of completion with cartoon characters

Description automatically generated