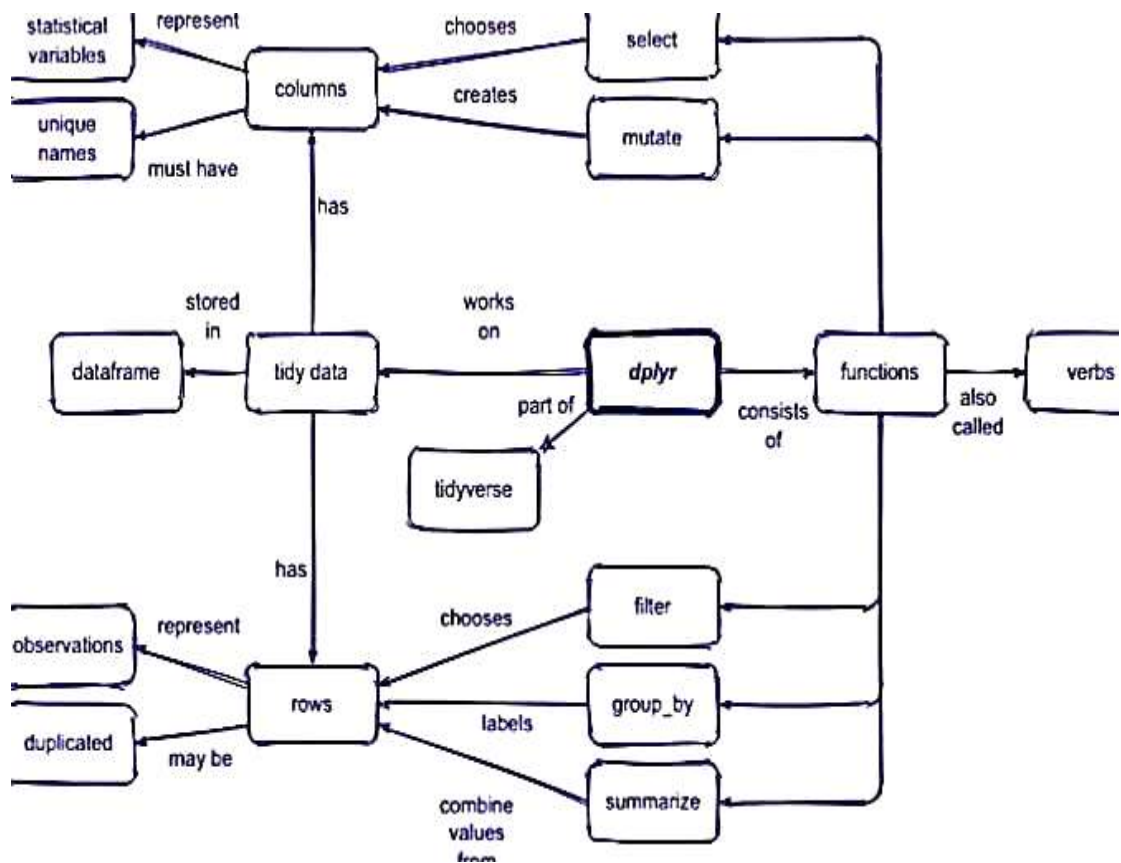
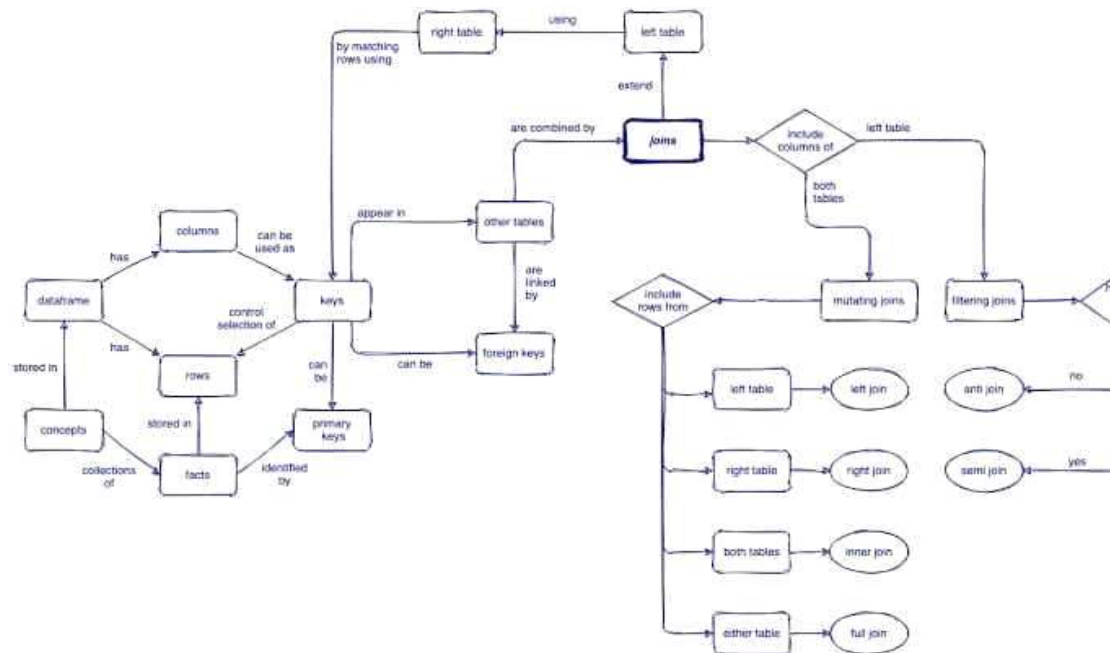


JOINING OF TABLES



Data

Fact Active Package Snapshots

Columns

Join data

Fact Active Package Snapshots



Dim Dates

where

Active Month

=

dim_date_id

Columns

Join data

Fact Active Package Snapshots



Dim Dates

where

Dim Opportunity Close Date ID

=

dim_date_id

Column

Join data

Fact Active Package Snapshots



Dim Dates

where

Dim Activation Date ID

=

dim_date_id

Columns

Script-28 22 Script-29

```

1= SELECT
2 "MainTable"."Name"
3 From
4 (SELECT DISTINCT
5 "SingleTable"."Name" AS "Name"
6 FROM "DIRECTQUERY"."SingleTable") "MainTable"
7 Left join
8 (SELECT DISTINCT
9 "SingleTable"."Name" AS "Name"
10 FROM "DIRECTQUERY"."SingleTable") "JoinTable2"
11 on
12 ("MainTable"."Name" = "JoinTable2"."Name")
13
14

```

MainTable 1

SELECT "MainTable"."Name" FROM (SELECT DISTINCT "SingleTable"."Name" AS "Name" FROM "DIRECTQUERY"."SingleTable") "MainTable" LEFT JOIN (SELECT DISTINCT "SingleTable"."Name" AS "Name" FROM "DIRECTQUERY"."SingleTable") "JoinTable2" ON ("MainTable"."Name" = "JoinTable2"."Name")

	Name
1	Alien
2	Phil

```

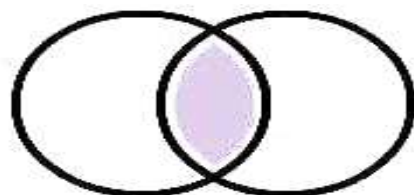
NOW CREATE TABLE three
very id: 5659945-8076-4b70-a654-8c01f0a6f6
--statement
CREATE TABLE test.three
  'id' UInt32,
  'word' String
ENGINE = Join(MY, LEFT, id)
rows in set. Elapsed: 0.001 sec.
sh3-sip-dtl :) select joinGet('test.three', 'word', toUInt32(1));
SELECT joinGet('test.three', 'word', toUInt32(1))
very id: dcf3011c-a668-4cbb-896a-488e0222b7
--joinGet('test.three', 'word', toUInt32(1))
one
rows in set. Elapsed: 0.001 sec.
sh3-sip-dtl :) select joinGet('test.three', 'id', toUInt32(1));
SELECT joinGet('test.three', 'id', toUInt32(1))
very id: 78f5a0ef-c437-4967-9a6b-4e866e271a2
received exception from server (version 20.11.5):
code: 16. DB::Exception: Received from 127.0.0.1:9000. DB::Exception: StorageJoin doesn't contain column id: While processing joinGet('test.three', 'id', toUInt32(1)).
rows in set. Elapsed: 0.001 sec.

```

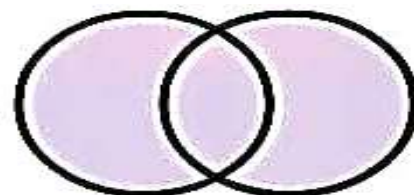
```

25 {
26   return FacebookPage::from('facebook_page as fb')
27     ->join('facebook_users as fu', 'fu.id', '=', 'fb.facebookUserId')
28     ->join('users as u', 'u.id', '=', 'fu.user_id')
29     ->orderBy('fb.id')
30     ->where(['u.id' => $this->userId])
31     ->select(
32       'fb.id',
33       'fu.name as fb_account_name',
34       'fb.name as name',
35       'fb.status as status',
36       'fb.category as category',
37       'fb.created_at',
38       'fb.updated_at as updated_at',
39     );
40 }
41
42 public function columns(): array
43 {
44   return [
45     Column::add()->title('__ID__')->field('id')->makeInputRange(),
46     Column::add()->title('__Account__')->field('fb_account_name')->makeInputText(),
47     Column::add()->title('__Name__')->field('name')->makeInputText()->sortable(),
48     Column::add()->title('__Status__')->field('status')
49       ->makeInputSelect($this->statusList(), 'name', 'status')->sortable(),
50     Column::add()->title('Category')->field('category')->makeInputText(),
51     Column::add()->title('Updated')->field('updated_at')->makeInputText(),
52   ];
53 }
54

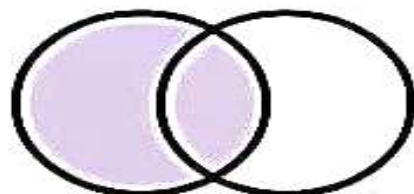
```



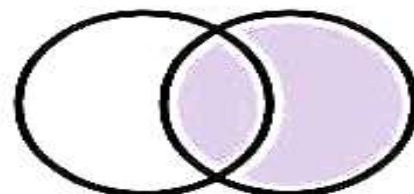
`inner_join(x, y)`



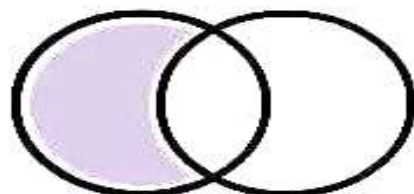
`full_join(x, y)`



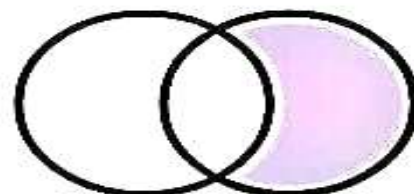
`left_join(x, y)`



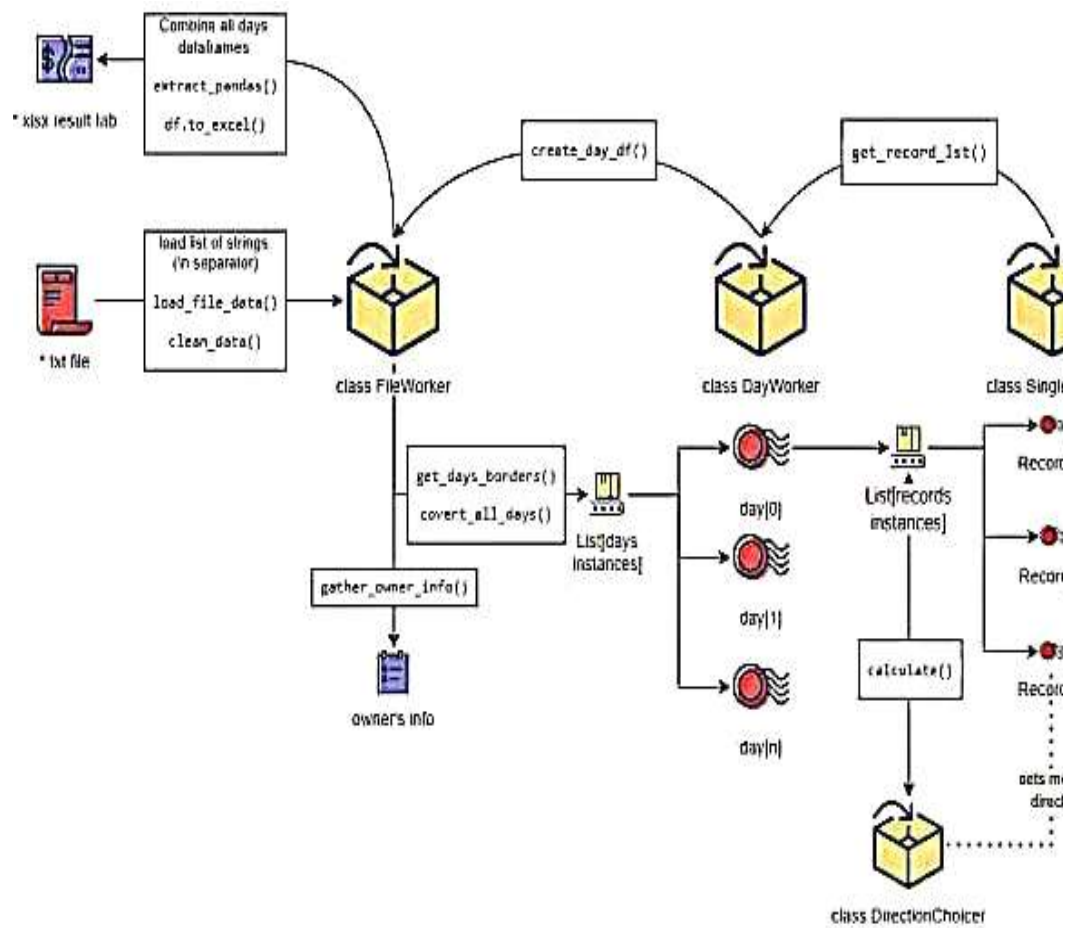
`right_join(x, y)`



`anti_join(x, y)`



`anti_join(y, x)`



```

CREATE TABLE ADMIN.CUSTOMER
(
    C_CUSTOMER_SK INTEGER NOT NULL,
    C_CUSTOMER_ID CHARACTER(16) NOT NULL,
    C_CURRENT_COEMO_SK INTEGER,
    C_CURRENT_HMEMO_SK INTEGER,
    C_CURRENT_ADDR_SK INTEGER,
    C_FIRST_SHIFT_DATE_SK INTEGER,
    C_FIRST_SALES_DATE_SK INTEGER,
    C_SALUTATION CHARACTER(10),
    C_FIRST_NAME CHARACTER(20),
    C_LAST_NAME CHARACTER(30),
    C_PREFERRED_CUST_FLAG CHARACTER(1),
    C_BIRTH_DAY INTEGER,
    C_BIRTH_MONTH INTEGER,
    C_BIRTH_YEAR INTEGER,
    C_BIRTH_COUNTRY CHARACTER VARYING(20),
    C_LOGIN CHARACTER(13),
    C_EMAIL_ADDRESS CHARACTER(50),
    C_LAST_REVIEW_DATE CHARACTER(10)
)
DISTRIBUTE ON (C_CUSTOMER_SK);

```

```

CREATE TABLE ADMIN.CUSTOMER_ADDRESS
(
    CA_ADDRESS_SK INTEGER NOT NULL,
    CA_ADDRESS_ID CHARACTER(16) NOT NULL,
    CA_STREET_NUMBER CHARACTER(10),
    CA_STREET_NAME CHARACTER VARYING(100),
    CA_STREET_TYPE CHARACTER(15),
    CA_SUITE_NUMBER CHARACTER(10),
    CA_CITY CHARACTER VARYING(60),
    CA_COUNTY CHARACTER VARYING(30),
    CA_STATE CHARACTER(2),
    CA_ZIP CHARACTER(10),
    CA_COUNTRY CHARACTER VARYING(20),
    CA_GMT_OFFSET NUMERIC(5,2),
    CA_LOCATION_TYPE CHARACTER(20)
)
DISTRIBUTE ON (CA_ADDRESS_SK);

```