Supabase SQL Walkthrough

This walkthrough shows exactly how to create the cattle management tables in Supabase using the SQL editor. Run each step in order.

Step 1 – Enable UUID Support

```
-- Required for primary keys
create extension if not exists "pgcrypto";
```

Step 2 – Create cattle_groups

```
create table cattle_groups (
  id uuid primary key default gen_random_uuid(),
  group_name text not null,
  origin text,
  sort1 text,
  sort2 text,
  purchase_date date,
  delivery_date date,
  head_purchased integer default 0,
  purchase_weight numeric,
  purchase_price numeric,
  number_deads integer default 0,
  days_on_feed numeric,
  conversion numeric,
  cost_of_gain numeric,
  dm_feed_cost_per_ton numeric,
  trucking_cwt numeric,
  vetmed_cwt numeric,
  cattle_profit_cwt numeric,
  hedge_profit_cwt numeric,
  notes text
);
```

Step 3 – Create pens

```
create table pens (
  id uuid primary key default gen_random_uuid(),
  pen_name text not null unique,
  pen_type text,
  feet_of_bunk integer,
  square_feet integer
);
```

Step 4 – Create groups_by_pen

```
create table groups_by_pen (
  id uuid primary key default gen_random_uuid(),
  cattle_group_id uuid references cattle_groups(id) on delete cascade,
  pen_id uuid references pens(id) on delete cascade,
  number_head integer default 0,
  unique (cattle_group_id, pen_id)
);
```

Step 5 – Create hedging

```
create table hedging (
  id uuid primary key default gen_random_uuid(),
  cattle_group_id uuid references cattle_groups(id) on delete cascade,
  futures_month text,
  type text, -- Put / Call / Future
  strike_price numeric,
  price numeric
);
```

Final Notes

- Run each step in order inside Supabase SQL Editor
- After creation, verify tables in Table Editor
- Optional next steps:
  - Add indexes
  - Enable Row Level Security
  - Create views for reporting