Setting up a database in the Redshift cluster and running queries to create the dimension and fact tables.

<Queries>

- **dim_location table:**
  Query:

```
create table etl_project.dim_location (
location_id INT not null,
location VARCHAR(50),
streetname VARCHAR(255),
street_number INT,
zipcode INT,
lat DECIMAL(10,3),
lon DECIMAL(10,3),
PRIMARY KEY (location_id)
);
```

- **dim_atm table:**
  Query:

```
create table etl_project.dim_atm (
atm_id INT,
atm_number VARCHAR(20),
atm_manufacturer VARCHAR(50),
atm_location_id INT,
PRIMARY KEY (atm_id),
FOREIGN KEY (atm_location_id) REFERENCES etl_project.dim_location(location_id)
);
```

- **dim_date table:**
  Query:

```
create table etl_project.dim_date (
date_id INT,
full_date_time TIMESTAMP,
year int,
month VARCHAR(20),
day int,
hour int,
weekday VARCHAR(20),
PRIMARY KEY (date_id)
);
```

- **dim_card_type table:**

  Query:

```
create table etl_project.dim_card_type (
card_type_id int,
card_type VARCHAR(30),
PRIMARY KEY (card_type_id)
);
```

- **fact_atm_trans table:**

  Query:

```
create table etl_project.fact_atm_trans (
trans_id BIGINT,
atm_id INT,
weather_loc_id INT,
date_id INT,
card_type_id INT,
atm_status VARCHAR(20),
currency VARCHAR(10),
service VARCHAR(20),
transaction_amount INT,
message_code VARCHAR(255),
message_text VARCHAR(255),
rain_3h DECIMAL(10,3),
clouds_all INT,
weather_id INT,
weather_main VARCHAR(50),
weather_description VARCHAR(255),
PRIMARY KEY (trans_id),
FOREIGN KEY (weather_loc_id) REFERENCES etl_project.dim_location(location_id),
FOREIGN KEY (atm_id) REFERENCES etl_project.dim_atm(atm_id),
FOREIGN KEY (date_id) REFERENCES etl_project.dim_date(date_id),
FOREIGN KEY (card_type_id) REFERENCES etl_project.dim_card_type(card_type_id)
);
```