Creating the Database with PostgreSQL

Event table:

Event_planner_db on postgres@PostgreSQL 10

```
CREATE TABLE event(
    eid SERIAL NOT NULL,
    event_name CHARACTER VARYING(120),
    company_name CHARACTER VARYING(100),
    event_location CHARACTER VARYING(150),
    event_date DATE,
    event_time TIME,
    price NUMERIC(10,2),
    party_size INT,

    PRIMARY KEY(eid)
)
```

** I changed eid to INT instead of SERIAL.

Client table:

Create new data type 'membership'

```
CREATE TYPE membership AS ENUM('B', 'P', 'V');
```

For 'basic', 'premium', 'VIP' – can reduce event prices based on this data field and due to it being ENUM we can compare such as SELECT * FROM clients WHERE membership_type > 'B'

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```
CREATE TABLE client(
    cid SERIAL NOT NULL,
    client_email CHARACTER VARYING(80),
    client_pnumber CHARACTER VARYING(22),
    first_name CHARACTER VARYING(150),
    last_name CHARACTER VARYING(200),
    memebership_level membership,

    PRIMARY KEY(cid)
)
```

Purchases table:

Linking table containing foreign keys.

Event_planner_db on postgres@PostgreSQL 10

```
CREATE TABLE purchases(
    id INT NOT NULL,
    client_id INT,
    event_id INT,
    PRIMARY KEY (id),
    CONSTRAINT fk_client_purchase FOREIGN KEY (client_id)
        REFERENCES client (cid) MATCH SIMPLE
        ON UPDATE NO ACTION
        ON DELETE NO ACTION,
    CONSTRAINT fk_purchase_event FOREIGN KEY (event_id)
        REFERENCES event(eid) MATCH SIMPLE
        ON UPDATE NO ACTION
        ON DELETE NO ACTION
)
```

** I changed the id to SERIAL instead of INT

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```
CREATE TABLE purchases(
    id INT NOT NULL,
    client_id INT,
    event_id INT,
    PRIMARY KEY (id),
    CONSTRAINT fk_client_purchase FOREIGN KEY (client_id)
        REFERENCES client (cid) MATCH SIMPLE
        ON UPDATE NO ACTION
        ON DELETE NO ACTION,
    CONSTRAINT fk_purchase_event FOREIGN KEY (event_id)
        REFERENCES event(eid) MATCH SIMPLE
        ON UPDATE NO ACTION
        ON DELETE NO ACTION
)
```