Q1

List of relations

Schema | Name | Type | Owner

--------+-------------+-------+----------

public | countries | table | postgres

public | employees | table | postgres

public | job\_history | table | postgres

public | jobs | table | postgres

public | locations | table | postgres

public | orders | table | postgres

public | regions | table | postgres

(7 rows)

assignment3=# alter table countries rename to country\_new;

ALTER TABLE

assignment3=# \d

List of relations

Schema | Name | Type | Owner

--------+-------------+-------+----------

public | country\_new | table | postgres

public | employees | table | postgres

public | job\_history | table | postgres

public | jobs | table | postgres

public | locations | table | postgres

public | orders | table | postgres

public | regions | table | postgres

(7 rows)

Q2

assignment3=# create table locations ( location\_id numeric(4,0) ,

assignment3(# street\_address character varying(40) ,

assignment3(# postal\_code character varying(12) ,

assignment3(# city character varying(30) ,

assignment3(# state\_province character varying(25) ,

assignment3(# country\_id character varying(2) );

CREATE TABLE

assignment3=# alter table locations add column region\_id varchar(10);

ALTER TABLE

assignment3=# \d

List of relations

Schema | Name | Type | Owner

--------+-------------+-------+----------

public | country\_new | table | postgres

public | employees | table | postgres

public | job\_history | table | postgres

public | jobs | table | postgres

public | locations | table | postgres

public | orders | table | postgres

public | regions | table | postgres

(7 rows)

assignment3=# select \* from locations

assignment3-# ;

location\_id | street\_address | postal\_code | city | state\_province | country\_id | region\_id

-------------+----------------+-------------+------+----------------+------------+-----------

(0 rows)

Q3

assignment3=# ALTER TABLE locations ALTER Column region\_id TYPE VARCHAR(30);

ALTER TABLE

assignment3=# \d locations

Table "public.locations"

Column | Type | Collation | Nullable | Default

----------------+-----------------------+-----------+----------+---------

location\_id | numeric(4,0) | | |

street\_address | character varying(40) | | |

postal\_code | character varying(12) | | |

state\_province | character varying(25) | | |

country\_id | character varying(2) | | |

region\_id | character varying(30) | | |

city | character varying(30) | | |

assignment3=# ALTER TABLE locations ALTER Column region\_id TYPE text;

ALTER TABLE

assignment3=# \d locations

Table "public.locations"

Column | Type | Collation | Nullable | Default

----------------+-----------------------+-----------+----------+---------

location\_id | numeric(4,0) | | |

street\_address | character varying(40) | | |

postal\_code | character varying(12) | | |

state\_province | character varying(25) | | |

country\_id | character varying(2) | | |

region\_id | text | | |

city | character varying(30) | | |

Q4

assignment3=# \d locations

Table "public.locations"

Column | Type | Collation | Nullable | Default

----------------+-----------------------+-----------+----------+---------

location\_id | numeric(4,0) | | |

street\_address | character varying(40) | | |

postal\_code | character varying(12) | | |

state\_province | character varying(25) | | |

country\_id | character varying(2) | | |

region\_id | text | | |

city | character varying(30) | | |

assignment3=# alter table locations drop column city;

ALTER TABLE

assignment3=# \d locations

Table "public.locations"

Column | Type | Collation | Nullable | Default

----------------+-----------------------+-----------+----------+---------

location\_id | numeric(4,0) | | |

street\_address | character varying(40) | | |

postal\_code | character varying(12) | | |

state\_province | character varying(25) | | |

country\_id | character varying(2) | | |

region\_id | text | | |

Q5

Q5

assignment3=# create table locations ( location\_id numeric (4,0) not null , street\_address character varying (40), postal\_code varchar (12), city varchar (30), state\_province varchar (25), country\_id varchar (2) );

CREATE TABLE

assignment3=# \d locations

Table "public.locations"

Column | Type | Collation | Nullable | Default

----------------+-----------------------+-----------+----------+---------

location\_id | numeric(4,0) | | not null |

street\_address | character varying(40) | | |

postal\_code | character varying(12) | | |

city | character varying(30) | | |

state\_province | character varying(25) | | |

country\_id | character varying(2) | | |

assignment3=# alter table locations add primary key (location\_id);

ALTER TABLE

assignment3=# \d locations

Table "public.locations"

Column | Type | Collation | Nullable | Default

----------------+-----------------------+-----------+----------+---------

location\_id | numeric(4,0) | | not null |

street\_address | character varying(40) | | |

postal\_code | character varying(12) | | |

city | character varying(30) | | |

state\_province | character varying(25) | | |

country\_id | character varying(2) | | |

Indexes:

"locations\_pkey" PRIMARY KEY, btree (location\_id)