* **Write a SQL statement to rename the table countries to country\_new.  
  Here is the list of tables. tablename | tableowner  
  ---------------+------------  
  orders | postgres  
  employees | postgres  
  job\_history | postgres  
  jobs | postgres  
  locations | postgres  
  regions | postgres  
  countries | postgres**

dbms\_cdac=# \dt

List of relations

Schema | Name | Type | Owner

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

public | countries | table | postgres

public | dup\_countries | table | postgres

public | jobs | table | postgres

(3 rows)

dbms\_cdac=# alter table countries rename to country\_new;

ALTER TABLE

dbms\_cdac=# \dt

List of relations

Schema | Name | Type | Owner

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

public | country\_new | table | postgres

public | dup\_countries | table | postgres

public | jobs | table | postgres

(3 rows)

* **Write a SQL statement to add a column region\_id to the table locations.  
  Here is the structure of the table locations.  
  postgres=# \d locations  
  Column | Type | Modifiers  
  ----------------+-----------------------+-----------   
   location\_id | numeric(4,0) |   
   street\_address | character varying(40) |   
   postal\_code | character varying(12) |   
   city | character varying(30) |   
   state\_province | character varying(25) |  
   country\_id | character varying(2) |**

dbms\_cdac=# create table locations(location\_id numeric(4,0),street\_address character varying(40),postal\_code character varying(12),city character varying(30),state\_province character varying(25),country\_id character varying(2));

CREATE TABLE

dbms\_cdac=# \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) | | |

city | character varying(30) | | |

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

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

dbms\_cdac=# alter table locations add column region\_id int;

ALTER TABLE

dbms\_cdac=# \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) | | |

city | character varying(30) | | |

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

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

region\_id | integer | | |

* **Write a SQL statement to change the data type of the column region\_id to text in the table locations.**

dbms\_cdac=# \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) | | |

city | character varying(30) | | |

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

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

region\_id | integer | | |

dbms\_cdac=# alter table locations alter column region\_id type text;

ALTER TABLE

dbms\_cdac=# \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) | | |**

**city | character varying(30) | | |**

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

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

**region\_id | text | | |**

* **Write a SQL statement to drop the column city from the table locations.**

dbms\_cdac=# \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) | | |

city | character varying(30) | | |

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

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

region\_id | text | | |

dbms\_cdac=# alter table locations drop column city;

ALTER TABLE

dbms\_cdac=# \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 | | |

* **Write a SQL statement to add a primary key for the columns location\_id in the locations table.  
  Here is the structure of the table locations.  
  postgres=# \d locations  
  Column | Type | Modifiers  
  ----------------+-----------------------+-----------   
   location\_id | numeric(4,0) |   
   street\_address | character varying(40) |   
   postal\_code | character varying(12) |   
   city | character varying(30) |   
   state\_province | character varying(25) |   
   country\_id | character varying(2) |**

dbms\_cdac=# \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) | | |

city | character varying(30) | | |

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

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

dbms\_cdac=# alter table locations add constraint "loc\_pk" primary key(location\_id);

ALTER TABLE

dbms\_cdac=# \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) | | |

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

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

region\_id | text | | |

Indexes:

"loc\_pk" PRIMARY KEY, btree (location\_id)