

Q.1 Write a SQL statement to rename the table countries to country_new.

```
assgn2=# alter table countries rename to country_new;
ALTER TABLE
assgn2=# create table locations (city varchar(30),postal_code
numeric(6),street_add varchar(40));
CREATE TABLE
assgn2=# select * from locations
assgn2-# ;
  city | postal_code | street_add
-----+-----+-----
(0 rows)
```

Q.2 Write a SQL statement to add a column region_id to the table locations.

```
assgn2=# alter table locations add column region_id integer;
ALTER TABLE
assgn2=# select * from locations;
  city | postal_code | street_add | region_id
-----+-----+-----+-----
(0 rows)
```

Q.3 Write a SQL statement to change the data type of the column region_id to text in the table locations

```
assgn2=# \d locations
```

Table "public.locations"				
Column	Type	Collation	Nullable	Default
city	character varying(30)			
postal_code	numeric(6,0)			
street_add	character varying(40)			
region_id	integer			

```
assgn2=# alter table locations alter column region_id type text;
ALTER TABLE
```

```
assgn2=# \d locations
```

Table "public.locations"				
Column	Type	Collation	Nullable	Default
city	character varying(30)			
postal_code	numeric(6,0)			
street_add	character varying(40)			
region_id	text			

Q.4 Write a SQL statement to drop the column city from the table locations.

```
assgn2=# \d locations
```

Table "public.locations"				
Column	Type	Collation	Nullable	Default
city	character varying(30)			
postal_code	numeric(6,0)			
street_add	character varying(40)			
region_id	text			

```
assgn2=# alter table locations drop column city;
```

```
ALTER TABLE
```

```
assgn2=# \d locations
```

Table "public.locations"				
Column	Type	Collation	Nullable	Default
postal_code	numeric(6,0)			
street_add	character varying(40)			
region_id	text			

Q.5 Write a SQL statement to add a primary key for the columns location_id in the locations table.

```
assgn2=# alter table locations add column location_id integer primary key;
```

```
ALTER TABLE
```

```
assgn2=# \d locations
```

Table "public.locations"				
Column	Type	Collation	Nullable	Default

-----+-----+-----+-----				
postal_code		numeric(6,0)		
street_add		character varying(40)		
region_id		text		
location_id		integer		not null

Indexes:

"locations_pkey" PRIMARY KEY, btree (location_id)