

Upiti za vežbanje

Baza: qa_geography

1. **Pronaći sve države.** [id države, ime države]

```
SELECT id, name FROM countries
```

2. **Pronaći sve države i kom kontinentu pripadaju.** [ime države, ime kontinenta]

```
SELECT countries.name AS Država, continents.name AS Kontinent
FROM countries
LEFT JOIN continents
ON countries.continent_id = continents.id
```

3. **Pronaći samo gradove koji imaju definisanu državu.**

```
SELECT cities.name, countries.name
FROM cities
INNER JOIN countries
ON cities.country_id = countries.id
```

4. **Pronaći samo države koje imaju definisan kontinent.**

```
SELECT countries.name, continents.name
FROM countries
INNER JOIN continents
ON countries.continent_id = continents.id
```

5. **Pronaći sve gradove koji imaju definisanu i državu i kontinent.**

```
SELECT cities.id, cities.name, countries.name, continents.name
FROM cities
INNER JOIN countries
ON cities.country_id = countries.id
INNER JOIN continents
ON countries.continent_id = continents.id
```

6. **Pronaći sve gradove koji nemaju unešenu državu.** [id grada, ime grada, broj stanovnika]

```
SELECT cities.id, cities.name, cities.population
FROM cities
LEFT JOIN countries
ON cities.country_id = countries.id
WHERE countries.id IS NULL
```

7. **Pronaći sve gradove koji nemaju unešen kontinent.** [id grada, ime grada, broj stanovnika]

```
SELECT cities.id, cities.name, cities.population
FROM cities
LEFT JOIN countries
ON cities.country_id = countries.id
LEFT JOIN continents
ON countries.continent_id = continents.id
WHERE continents.id IS NULL
```

8. Pronaći sve države koje nemaju unešen kontinent.

```
SELECT *
FROM countries
LEFT JOIN continents
ON countries.continent_id = continents.id
WHERE continents.id IS NULL
```

9. Pronaći sve gradove. [id_city, name_city, population, name_country, name_continent]

```
SELECT cities.id, cities.name, cities.population, countries.name AS Država,
continents.name AS Kontinent
FROM cities
LEFT JOIN countries
ON cities.country_id = countries.id
LEFT JOIN continents
ON countries.continent_id = continents.id
```

10. Prikaži sve države i njihove gradove.

```
SELECT countries.name, cities.name
FROM cities
RIGHT JOIN countries
ON cities.country_id = countries.id
```

```
SELECT countries.name, cities.name
FROM countries
LEFT JOIN cities
ON cities.country_id = countries.id
```

11. Prikazati sve gradove u Srbiji.

```
SELECT cities.name
FROM cities
LEFT JOIN countries
ON cities.country_id = countries.id
WHERE countries.name LIKE 'Srbija'
```

12. Pronaći koja država nema nijedan grad.

```
SELECT countries.name
FROM countries
LEFT JOIN cities
```

```
ON cities.country_id = countries.id
WHERE cities.id IS NULL
```

13. Pronaći koji kontinent nema nijednu državu.

```
SELECT continents.name
FROM continents
LEFT JOIN countries
ON countries.continent_id = continents.id
WHERE countries.id IS NULL
```

14. Pronaći koji kontinent nema nijedan grad.

```
SELECT continents.name
FROM continents
WHERE continents.name NOT IN (
    SELECT DISTINCT continents.name
    FROM continents
    LEFT JOIN countries
    ON countries.continent_id = continents.id
    LEFT JOIN cities
    ON cities.country_id = countries.id
    WHERE cities.id IS NOT NULL
)
```

15. Prikazati koliko koja država ima gradova.

```
SELECT countries.name AS Država, COUNT(cities.id) AS ukupno_gradova
FROM countries
LEFT JOIN cities
ON cities.country_id = countries.id
GROUP BY Država
ORDER BY ukupno_gradova DESC
```

16. Prikaži države koje imaju više od 0 i manje od 3 grada.

```
SELECT countries.name AS Država, COUNT(cities.id) AS ukupno_gradova
FROM countries
LEFT JOIN cities
ON cities.country_id = countries.id
GROUP BY Država
HAVING ukupno_gradova BETWEEN 1 AND 2
ORDER BY ukupno_gradova DESC
```