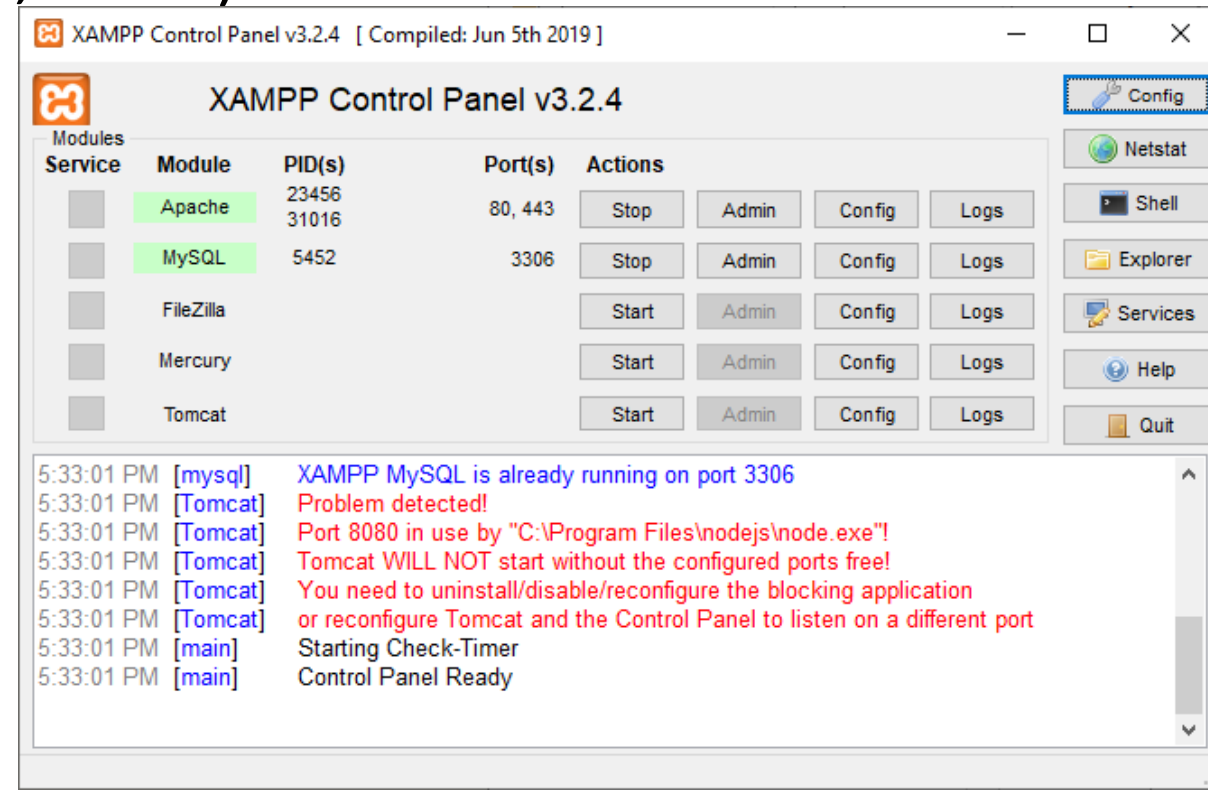


# Upotreba MySQL-a

Instalacija i primjeri korištenja baze podataka MySQL

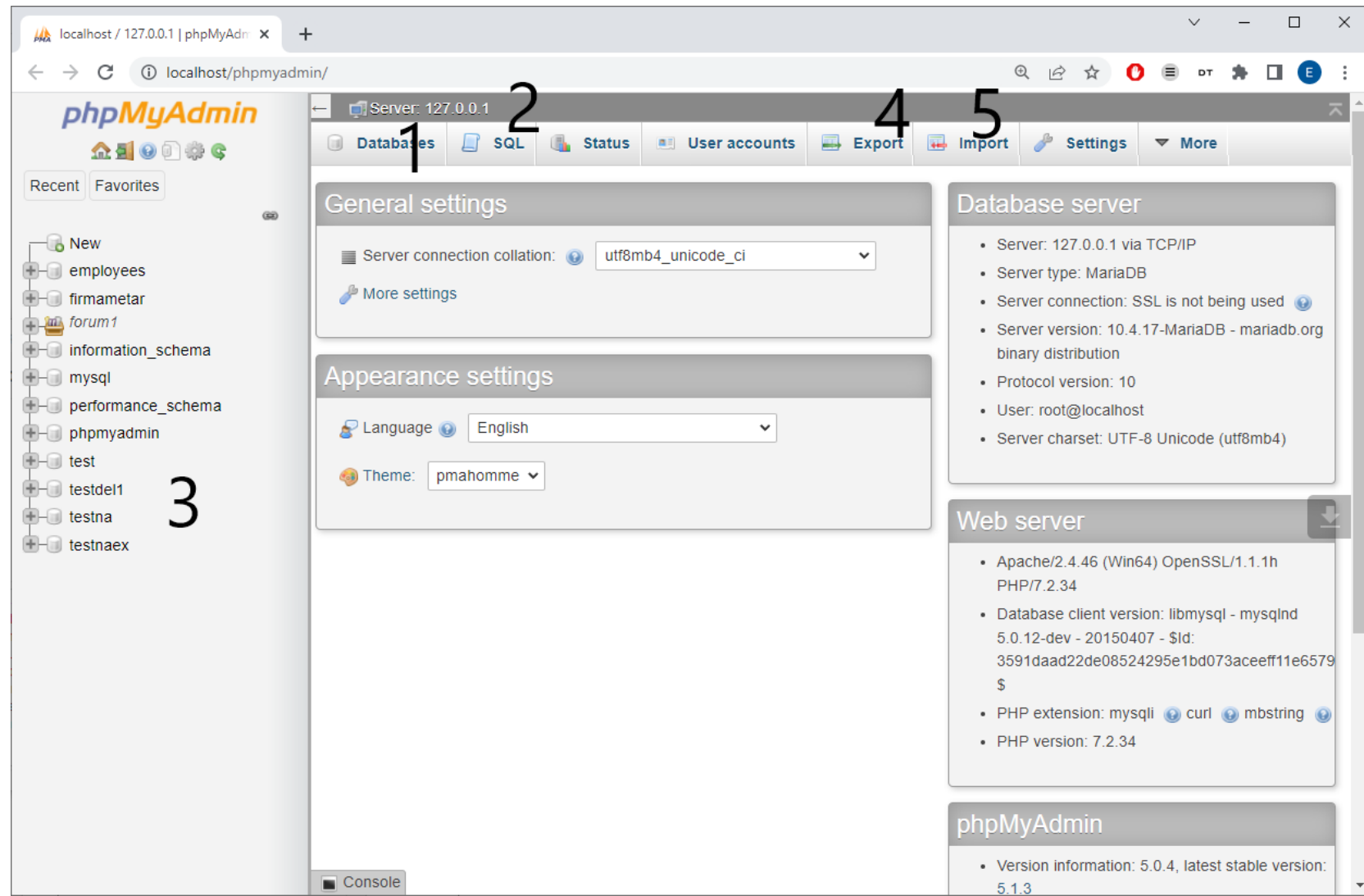
# Instalacija

- Preuzeti XAMPP
  - <https://www.apachefriends.org/index.html>
- Instalacija je jednostavna (Next, next, finish)
- Nakon instalacije, Start => XAMPP
  - Otvori se kontrolni panel
  - Kliknuti na Start za Apache i MySQL
  - Potom kliknuti na Admin za MySQL



# Administracijski panel baze podataka

- 1 – listing baza
- 2 – pisanje SQL izraza
- 3 – pregled baza i tabela
- 4 i 5 Export / Import baze podataka

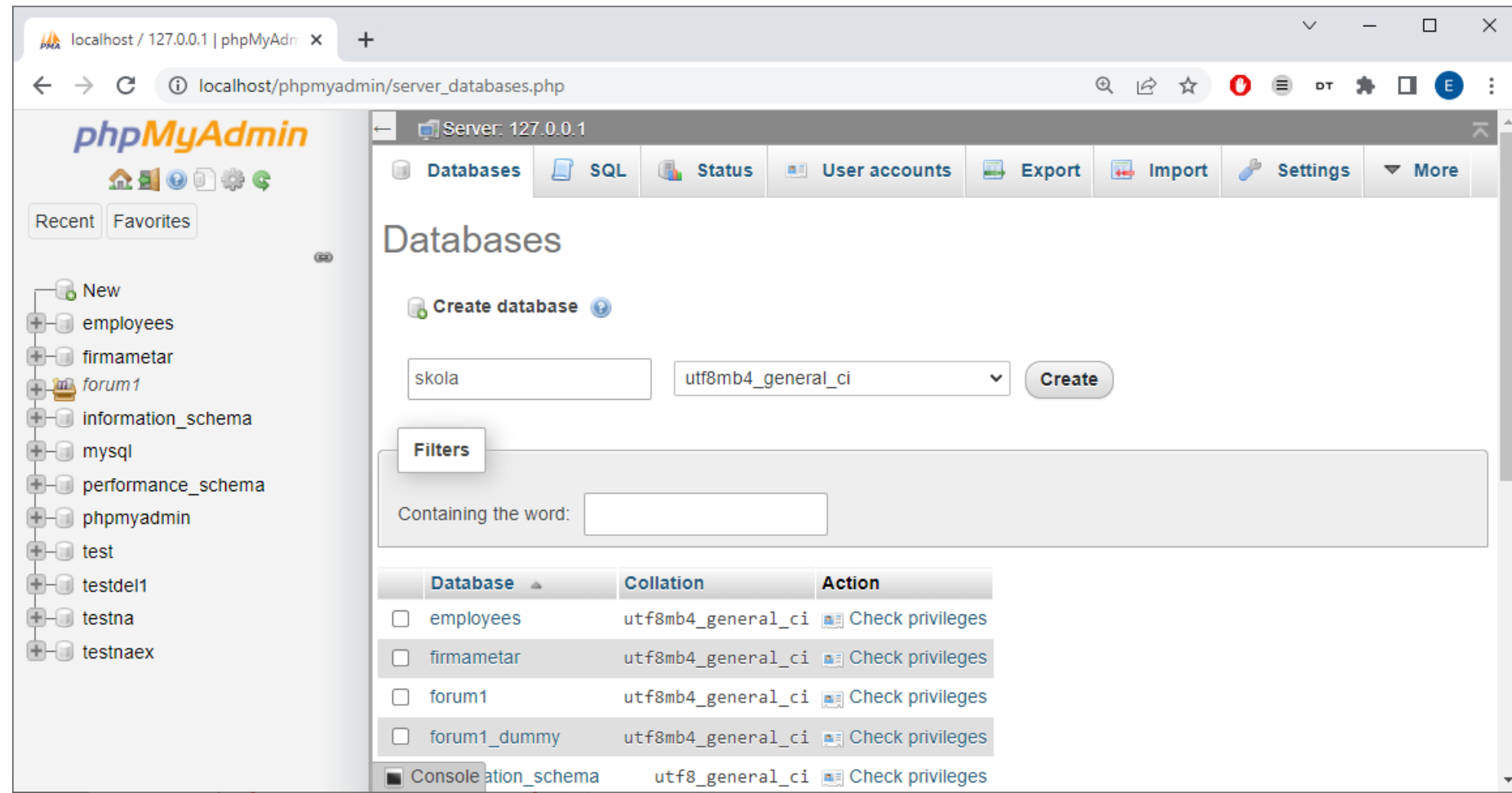


# Import baze podataka 1/2

- Otići na tab „Databases“

- Upisati naziv  
baze podataka

- Kliknuti Create

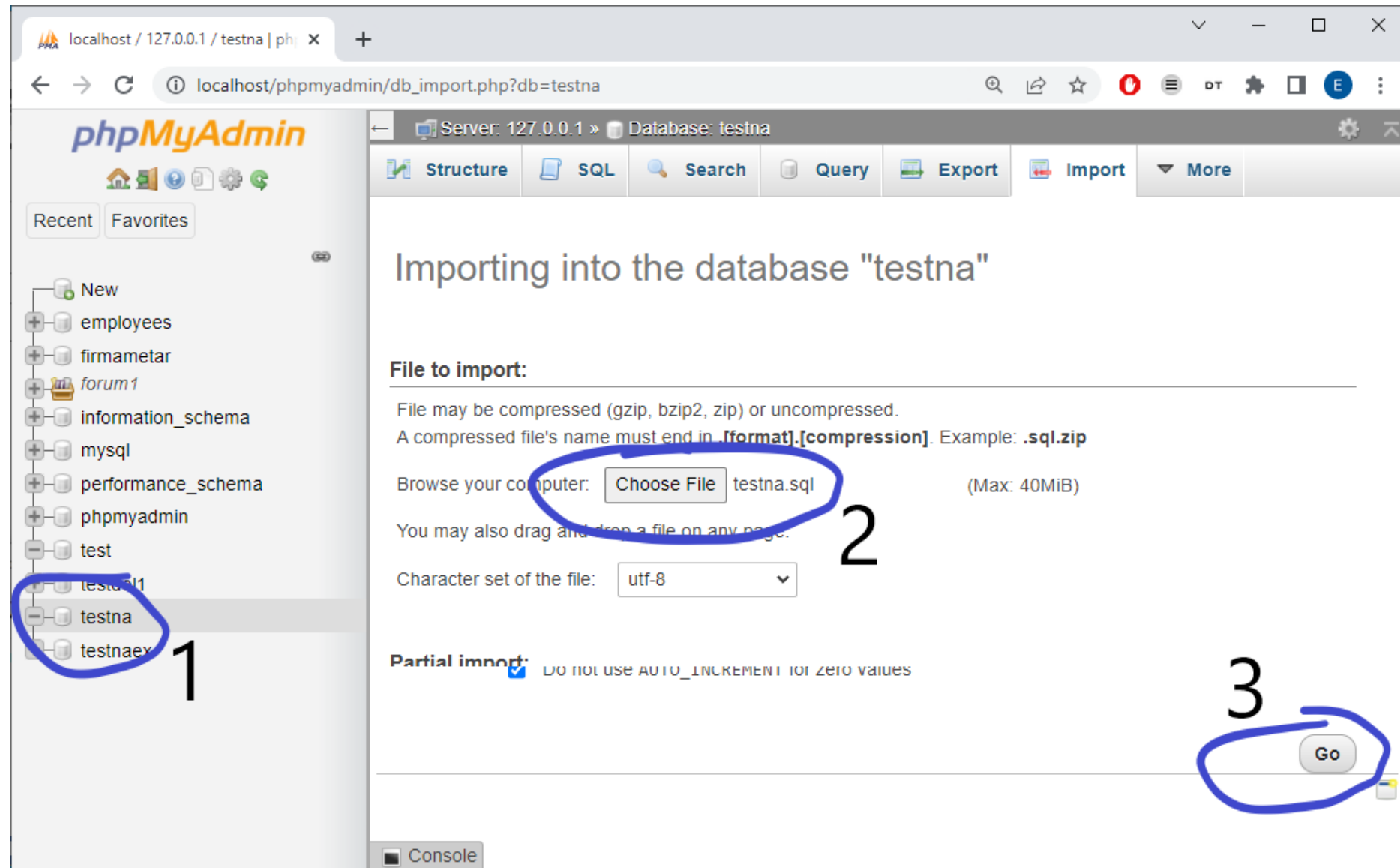


The screenshot shows the phpMyAdmin web interface. The browser address bar indicates the URL is localhost/phpmyadmin/server\_databases.php. The interface has a sidebar on the left with a tree view of databases including 'employees', 'firmametar', 'forum1', 'information\_schema', 'mysql', 'performance\_schema', 'phpmyadmin', 'test', 'testdel1', 'testna', and 'testnaex'. The main panel is titled 'Databases' and contains a 'Create database' form. The form has a text input field with the value 'skola' and a dropdown menu for collation set to 'utf8mb4\_general\_ci'. A 'Create' button is next to the form. Below the form is a 'Filters' section with a search box labeled 'Containing the word:'. At the bottom, there is a table listing existing databases with columns for 'Database', 'Collation', and 'Action'.

Database	Collation	Action
<input type="checkbox"/> employees	utf8mb4_general_ci	<a href="#">Check privileges</a>
<input type="checkbox"/> firmametar	utf8mb4_general_ci	<a href="#">Check privileges</a>
<input type="checkbox"/> forum1	utf8mb4_general_ci	<a href="#">Check privileges</a>
<input type="checkbox"/> forum1_dummy	utf8mb4_general_ci	<a href="#">Check privileges</a>
<input type="checkbox"/> information_schema	utf8mb4_general_ci	<a href="#">Check privileges</a>

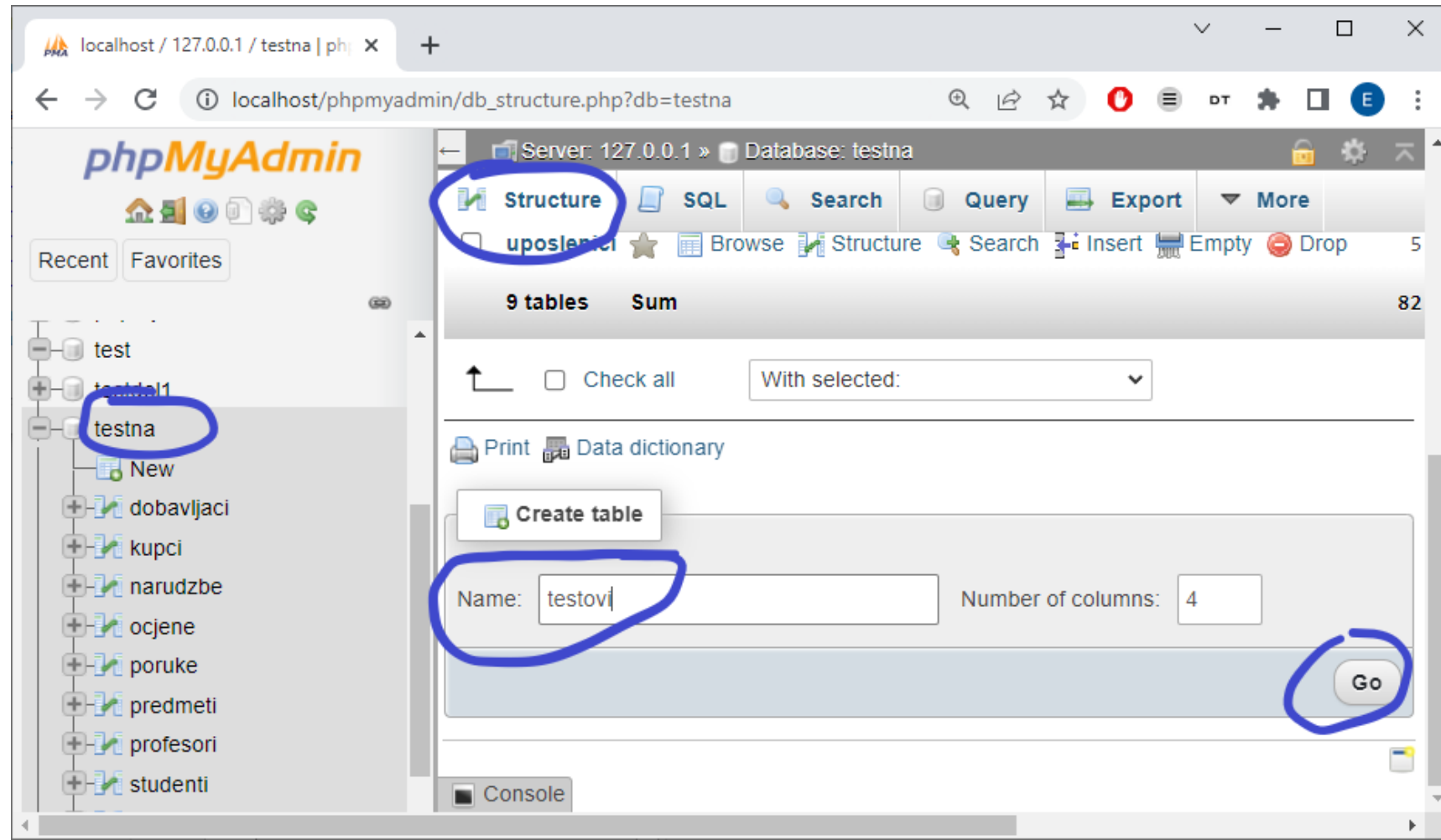
# Import baze podataka 2/2

- 1) Odabrati bazu sa lijeve strane
- 2) Odabrati datoteku za import
- 3) Kliknuti Go na dnu



# Kreiranje tabele 1/3

- 1) Odabrati bazu i otići na tab Structure
- 2) Na dnu napisati ime nove tabele i kliknuti Go



# Kreiranje tabela 2/3

1) Dodavanje kolona i osobina kolona

poput naziva, tipa i dužine

2) Moguće je dodati

nove kolone u tabelu tokom  
dizajniranja tabele (pri vrhu)

Server: 127.0.0.1 » Database: testna » Table: testovi

Browse Structure SQL Search Insert Export Import

Table name: testovi Add 1 column(s) Go

**Dodavanje novih kolona**

Name	Type	Length/Values	Default
id	INT		None
<a href="#">Pick from Central Columns</a>			
naziv_testa	VARCHAR	20	None
<a href="#">Pick from Central Columns</a>			
datum	DATE		None
<a href="#">Pick from Central Columns</a>			
	INT		None
<a href="#">Pick from Central Columns</a>			

Structure

Table comments: Collation:

**Naziv**

**Dužina**

**Tip**

# Kreiranje tabela 3/3

- 1) Definisanje ostalih osobina kolona poput primarnog ključa, obaveznosti te defaultnih vrijednosti se može uraditi među osobinama kada se skrola desno

Null	Index	A_I	Comments
<input type="checkbox"/>	PRIMARY	<input checked="" type="checkbox"/>	
	PRIMARY		
<input type="checkbox"/>	---	<input type="checkbox"/>	
<input type="checkbox"/>	---	<input type="checkbox"/>	
<input type="checkbox"/>	---	<input type="checkbox"/>	

Null checkbox = znači da je atribut/kolona obavezna  
Index = možemo označiti primarni ključ  
A\_I = AUTO INCREMENT

Klik Save na dnu – da se spasi nova tabela

Storage Engine:	
InnoDB	
Preview SQL	Save



# Pregled strukture

- 1) Odabrati bazu i tabelu sa lijeve strane i kliknuti tab Structure
- 2) Tu se vidi lista kolona i osobine kolona poput primarnog ključa, obavezno polje itd...
- 3) I mogu se dodavati nove kolone na već postojeću tabelu

The screenshot displays the phpMyAdmin interface for the 'testna' database, specifically the 'Structure' view of the 'predmeti' table. The table structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change
2	naziv	varchar(255)	utf8mb4_general_ci		No	None			Change
3	skgod	date			No	None			Change
4	komentar	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change

Below the table structure, there are options to 'Check all', 'With selected:', 'Browse', 'Change', 'Drop', 'Primary', 'Unique', 'Index', 'Fulltext', 'Add to central columns', and 'Remove from central columns'. At the bottom, there is a 'Print' button, a 'Propose table structure' button, a 'Track table' button, a 'Move columns' button, and a 'Normalize' button. A 'Go' button is also present next to the 'Add' button.

# Unos podataka u tabelu 1/2

- 1) Odabrati bazu i tabelu na lijevom panou
- 2) Unijeti podatke u prezentirana polja
- 3) Primarni ključ nije neophodno unijeti jer će baza sama sračunati (auto increment)
- 4) NULL ili opcionalna polja nije neohodno unijeti te će one imati defaultnu ili NULL vrijednost
- 5) Kliknuti Go na dnu

# Unos podataka u tabelu 2/2

localhost / 127.0.0.1 / testna / pre x +

localhost/phpmyadmin/tbl\_change.php?db=testna&table=predmeti

Server: 127.0.0.1 » Database: testna » Table: predmeti

Browse Structure SQL Search Insert Export Import More

Column	Type	Function	Null	Value
id	int(11)			
naziv	varchar(255)			<div>Novi <u>predmet</u></div>
skgod	date			2022-03-08
komentar	varchar(255)		<input type="checkbox"/>	<div>Neki komentar koji da nije napisan bi imao vrijednost NULL</div>

Go

☒ Ignore ☐ Console

phpMyAdmin

Recent Favorites

- employees
- firmametar
- forum1
- information\_schema
- mysql
- performance\_schema
- phpmyadmin
- test
- testdel1
- testna
  - New
  - dobavljaci
  - kupci
  - narudzbe
  - ocjene
  - poruke
  - predmeti
  - profesori
  - studenti
  - uposlenici
- testnaex

# Pisanje upita

- 1) Odabrati tabelu  
i kliknuti na tab SQL
- 2) Napisati SQL upit  
i kliknuti Go
- 3) Kliknuti Edit Inline  
za editovanje SQL-a

The screenshot shows the phpMyAdmin web interface. On the left, the database structure tree is visible, with the 'testna' database selected. The 'predmeti' table is highlighted. The main panel shows the SQL tab with the following query:

```
1 SELECT s.ime, s.prezime, o.ocjena
2 FROM studenti s, ocjene o
3 WHERE o.student_id = s.id
```

Below the query, the 'Go' button is visible. The results section shows a table with 30 rows (displaying 1-25). The table has columns 'ime', 'prezime', and 'ocjena'.

ime	prezime	ocjena
Alisa	Alisovic	4
Alisa	Alisovic	4
Alisa	Alisovic	5
Alisa	Alisovic	3
Alisa	Alisovic	1
Alisa	Alisovic	4
Console	ovic	2

# Brisanje tabele i baze podataka

Brisanje tabele:

Tab SQL => DROP TABLE ime\_tabele;

Brisanje baze podataka:

Tab SQL => DROP DATABASE ime\_baze\_podataka;