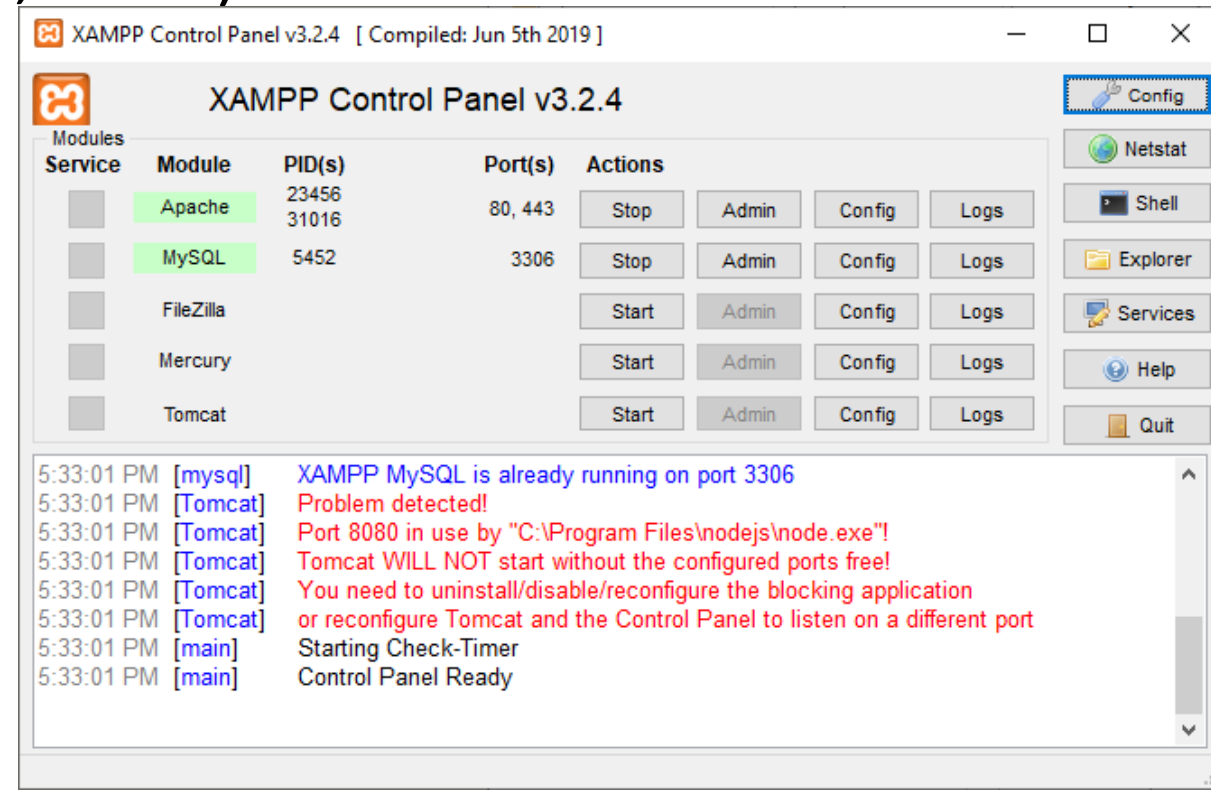


Upotreba MySQL-a

Instalacija i primjeri korištenja baze podataka MySQL

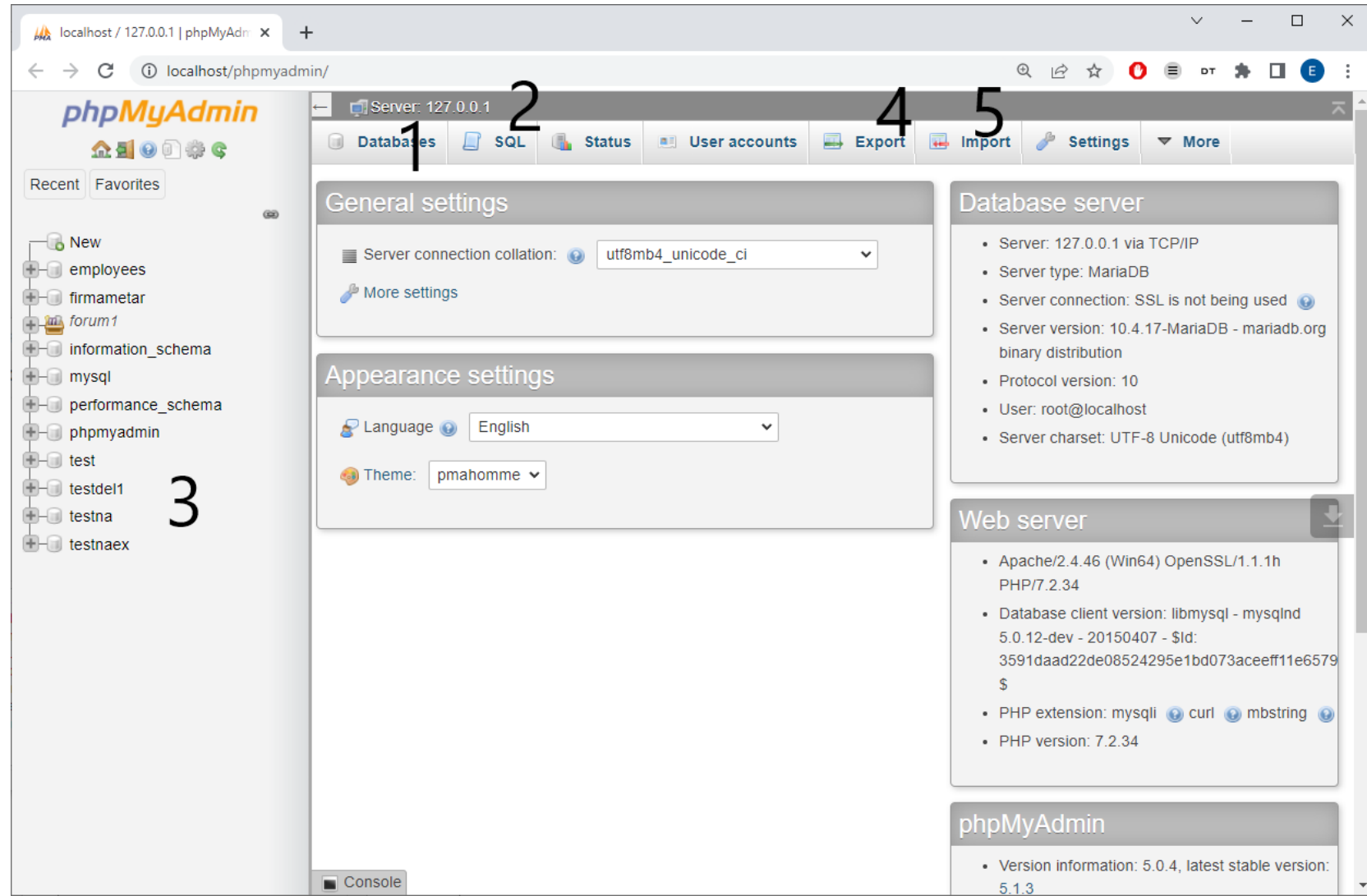
Instalacija

- 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

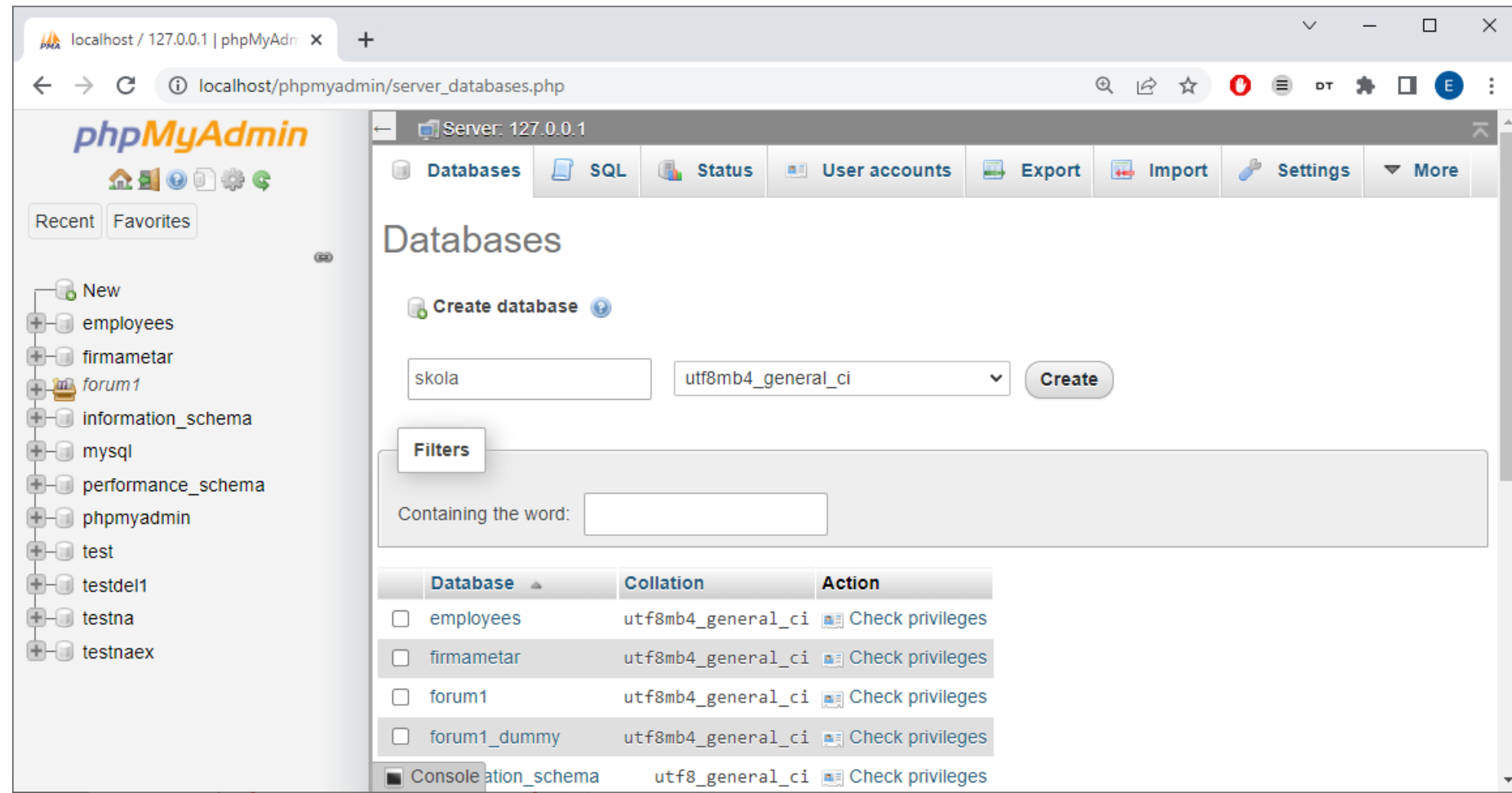


Import baze podataka 1/2

- Otići na tab „Databases“

- Upisati naziv
baze podataka

- Kliknuti Create

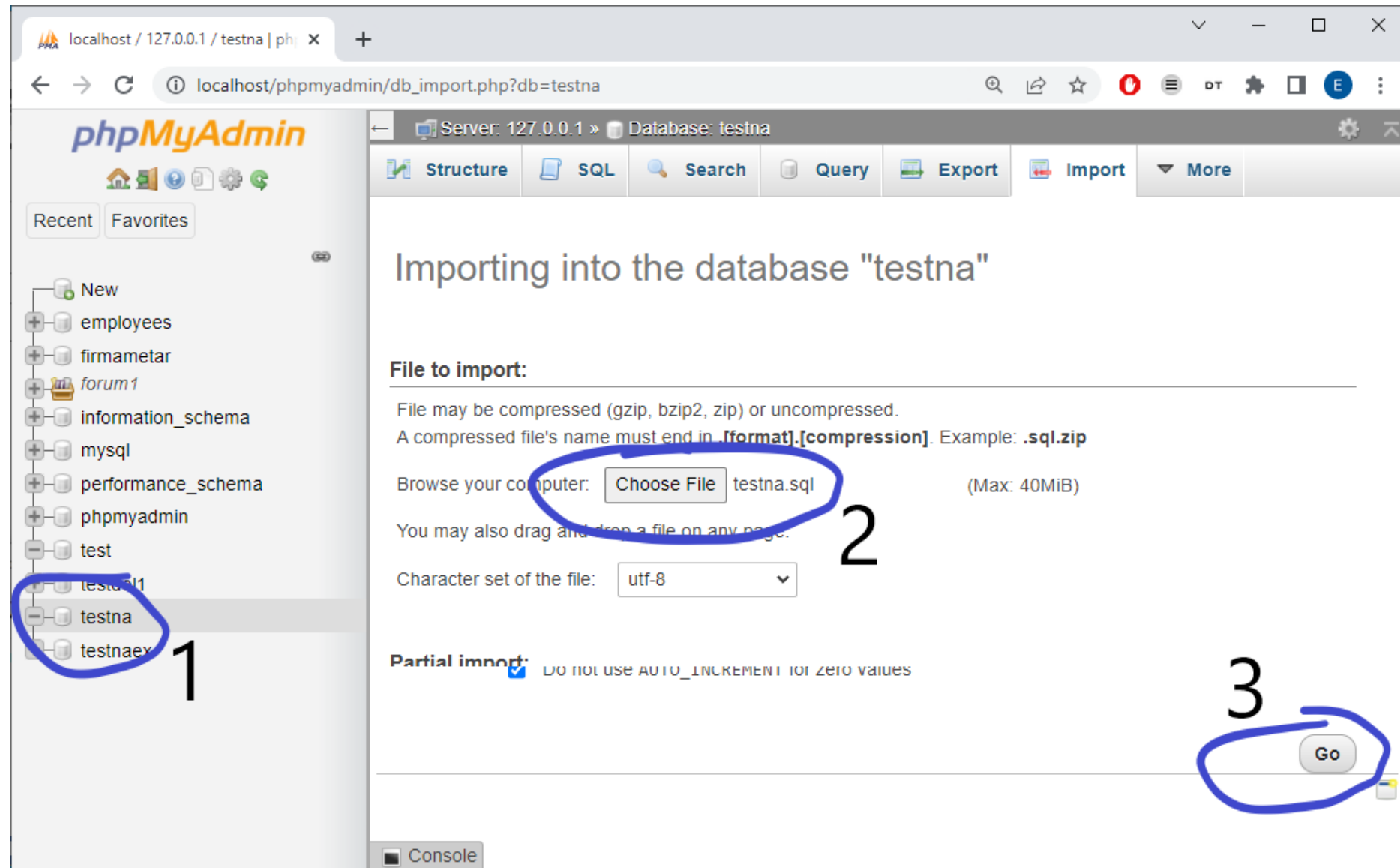


The screenshot shows the phpMyAdmin web interface. The browser address bar indicates the URL is localhost/phpmyadmin/server_databases.php. The interface has a sidebar on the left with a tree view of databases including 'employees', 'firmametar', 'forum1', 'information_schema', 'mysql', 'performance_schema', 'phpmyadmin', 'test', 'testdel1', 'testna', and 'testnaex'. The main panel is titled 'Databases' and contains a 'Create database' section with a text input field containing 'skola' and a dropdown menu set to 'utf8mb4_general_ci'. A 'Create' button is next to these fields. Below this is a 'Filters' section with a search box. At the bottom, a table lists existing databases with columns for 'Database', 'Collation', and 'Action'.

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

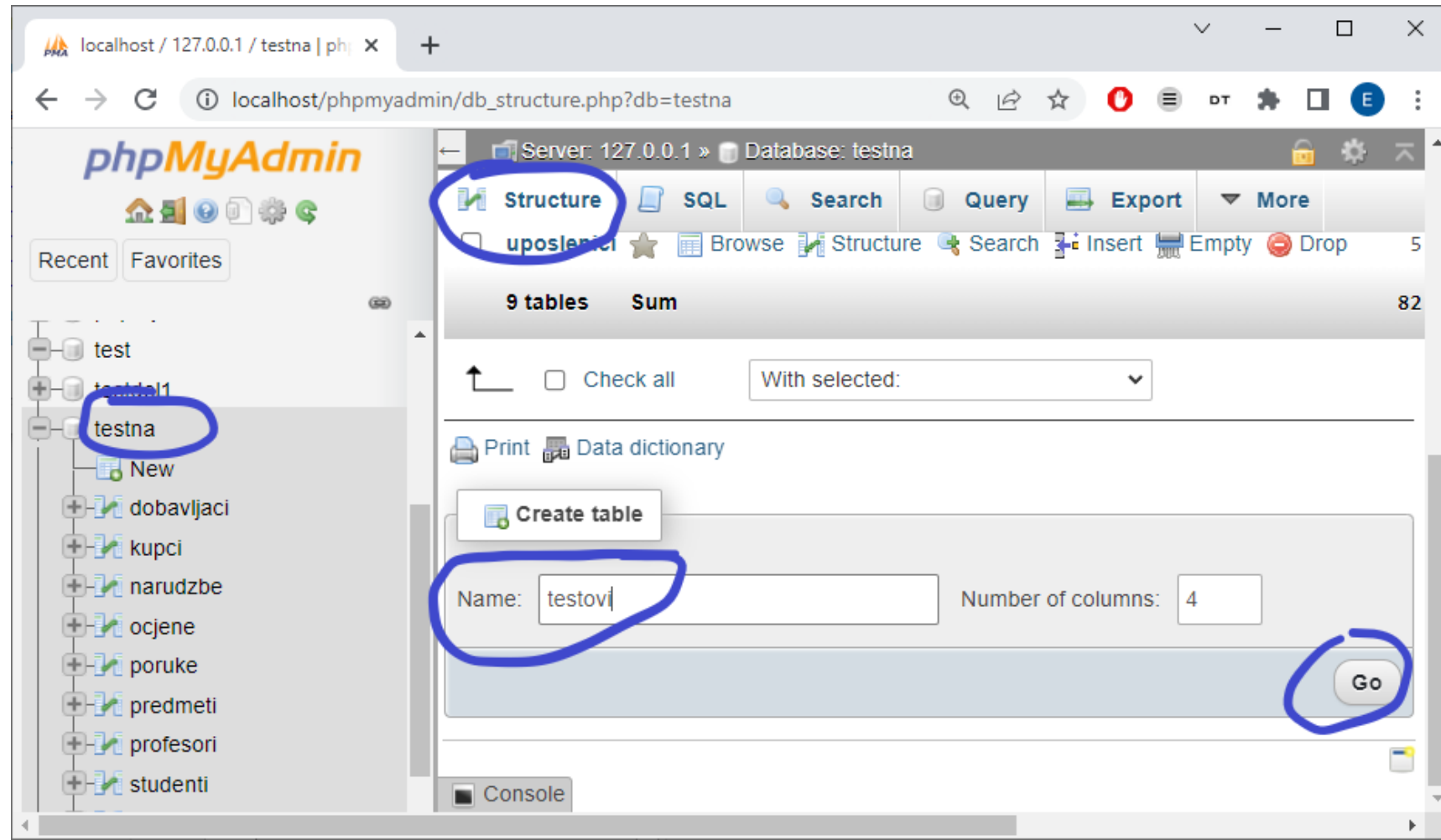
Import baze podataka 2/2

- 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
Pick from Central Columns			
naziv_testa	VARCHAR	20	None
Pick from Central Columns			
datum	DATE		None
Pick from Central Columns			
	INT		None
Pick from Central Columns			

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

localhost / 127.0.0.1 / testna / pre x +

localhost/phpmyadmin/tbl_structure.php?db=testna&table=predmeti

Server: 127.0.0.1 » Database: testna » Table: predmeti

Browse Structure SQL Search Insert Export Import More

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(11)			No	None		AUTO_INCREMENT	Change Drop
<input type="checkbox"/>	2 naziv	varchar(255)	utf8mb4_general_ci		No	None			Change Drop
<input type="checkbox"/>	3 skgod	date			No	None			Change Drop
<input type="checkbox"/>	4 komentar	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop

☐ Check all With selected: Browse Change Drop Primary Unique Index

Fulltext Add to central columns Remove from central columns

Print Propose table structure Track table Move columns Normalize

Add 1 column(s) after komentar Go

Console

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
- 1) Napisati SQL upit
i kliknuti Go
- 1) Kliknuti Edit Inline
za editovanje SQL-a

The screenshot shows the phpMyAdmin web interface in a browser. The left sidebar displays a database tree with 'testna' selected. The main panel shows the 'predmeti' table in the 'testna' database. A SQL query is entered in the query editor, and the 'Go' button is visible. Below the query editor, there are options for 'Enable foreign key checks' and 'Profiling'. The results section shows a table with 30 rows (displaying the first 25) and a 'Console' button.

Showing rows 0 - 24 (30 total, Query took 0.0022 seconds.)

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

☒ Enable foreign key checks
Go Cancel

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

1 > >> | ☐ Show all | Number of rows: 25 Filter rows: Search this table

+ Options

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