## Kreiranje korisnika baze podataka

Kreiranje korisnika baze podataka se može izvršiti na dva načina. Prvi način - u "Navigation panel" odeljku PHPMyAdmin softvera, izabere radna baza podataka do koje se zatim otvara konekcija. U glavnom meniju se u listi opcija "More" izabere stavka za korisnike "Privileges".

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Prikazuje se spisak okidača korisnika kreiranih i definisanih na nivou servera baze podataka. U primeru na slici ispod već postoje određeni korisnički i sistemski nalozi/korisnici. U odeljku "New" bira se link "Add user account" za kreiranje novog korisnika.

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Otvara se stranica za definisanje osobina korisnika. Upisuje se ime korisnika "User name", bira se vrsta hosta ili upisuje njagov naziv (izabrati localhost ili % za pristup sa bilo kog hosta). Tu su još i polja za upis korisničke šifre ("Password") sa informacijom o njenoj dužini složenosti ("Strength"), zatim taster za generisanje proizvoljne (tzv. random, slučajne) šifre korisnika.

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Niže na stranici su grupe za izbor prava, tj. privilegija korisnika and izabranom bazom podataka: "Data" – pristup i ažuriranje podataka, "Structure" - izmena i definisanje strukture baze podataka i njenih objekata, "Administration" – mogućnosti za administraciju baze podataka i "Resource limits" - ograničenja resursa u pogledu maksimalnog broja upita, ažuriranje baze, broja konekcija za sat vremena.

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Potrebno je izabrati željene ili potrebne karakteristike za korisnika i pritisnuti taster "Go" za završetak kreiranja korisnika baze podataka.

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Sledi prikaz SQL komandi "CREATE USER" za kreiranje novog korisnika i "GRANT" za dodelu prava pristupa, kao i obavezan prikaz poruke o uspešnom ili neuspešnom kreiranju korisnika, hosta i baze podataka.

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Kada se ponovo aktivira kartica "Privileges" može se videti, kao na sledećoj slici, da je korisnik uspešno dodat u listu, a njegova prava, tj. privilegije prikazane su u tabeli:

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"Export" je opcija za generisanje SQL komandi GRANT za dodelu prava korisnicima baze podataka (slika ispod). "Edit privileges" otvara stranicu za izmenu prava korisnika.

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- muzej2020	1 GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, FILE, INDEX, ALTER, SHOW DATABASES, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, CREATE	Yes 🛛 🐉 Edit pr	ivileges 🔜 Export
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Drugi način kreiranja korisnika baze podataka je pomoću SQL komande za kreiranje okidača je pisanje i izvršavanje CREATE USER naredbe u editor upita. Preko SQL kartice, iz glavnog menija PHPMyAdmina, se pristupa editoru za pisanje upita.

[3] TFZR - Kompleksne baz 🗙 🛛 G Sign in – Google accou	x 🔥 localhost88 / 127.0.0.1 x b creating upers in mysql x   🛞 How to Create MySQL   x   💭 How To Create a New U x   +	-	٥	$\times$
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Recent Favorites	1 CREATE USER 'kustos'@'localhost' IDENTIFIED BY 'sifrakustos';			
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Nakon ispisane SQL komande, bira se taster "Go". Prikazuje se poruka o vremenu izvršavanja komande, njena uspešnost, kao i SQL skript.

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Dodela prava pristupa tabelama baze podataka se radi pomoću "Grant" SQL DCL komande. Primer prikazuje dodelu prava čitanja ("Select") podataka iz svih tabela baze podataka pod nazivom "muzej2020", kao i dodelu prava izmene podataka u svim tabelama iste baze:

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Recent Favorites	<pre>1 GRANT SELECT ON muzej2020.* TO 'kustos'@'localhost'; 2 GRANT UPDATE ON muzej2020.* TO 'kustos'@'localhost';</pre>		
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Prikaz SQL DCL komandi za dodelu prava brisanja podataka iz tačno određenih tabela navedene baze korisniku "kustos":

(9) TFZR - Kompleksne baz 🗙 🛛 G Sign in – Google a	cou x 🚜 localhost88 / 127.0.0.1 x b creating users in mysol x   🜒 How to Create MySQL i x   🔉 How To Create a New i x   +	-	o ×
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Ioto2020rsok muzej2020 <i>Procedures</i> <i>Tables</i> New Period postavka postavka u prostoriji predmet	<pre>1 GRANT DELETE ON muzej2020.postavka TO 'kustos'@'localhost'; 2 GRANT DELETE ON muzej2020.prostorija TO 'kustos'@'localhost'; 3 GRANT DELETE ON muzej2020.`predmet u postavci` TO 'kustos'@'localhost'; 4 GRANT DELETE ON muzej2020.`postavka u prostoriji` TO 'kustos'@'localhost'; 5</pre>		
predmet u postavci     prostorija     vrsta predmeta     Views     muzejproba     muzejsi2020grupa1     muzejsi2020grupa2	Clear       Format       Get auto-saved query         Bind parameters       Bookmark this SQL query:       Bookmark this SQL query:         Console       Bookmarks Option	s Histor	y Clear
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Izgled tabele sa spiskom korisnika i prikazom prava korisnika "kustos" koji je definisan nizom SQL naredbi kroz editor za pisanje upita:

[9] TFZR - Kompleksne baz × G Sign in – Google accour × A	👌 localhost:88 / 127.0.0.1	creating use	rs in mysql 🗙 🛛 🌒 How to	Create MySQL 🛛 🗙 🕴 🗧	How To Ci	reate a New U 🗙	+	-	o ×
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phpMyAdmin 🗠	Server: 127.0.	0.1 » 🗊 Datal	base: muzej2020						⊼ î
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→ New	muzejskivodic	localhost	global database-specific	SELECT ALL PRIVILEGES	No No	Edit priv Bedit priv	vileges vileges	Exp	ort ort
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Prikaz prava korisnika se izlistava SQL komandom "Show grants", koju, takođe, možemo napisati u editoru upita:

(9) TFZR - Kompleksne baz 🗙 G Sign in – Google accourt	🗙 🗼 localhost:88 / 127.0.0.1 🗙 🔥 creating users in mysql 🗙 🔘 How to Create MySQL L 🗙 🧔 H	How To Create a New U $ imes$ $\mid$ +	-	- 0	×
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phpMyAdmin	← ⊑Server: 127.0.0.1 » 🕤 Database: muzej2020		í	à 🌣	$\overline{}$
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æ	Run SQL query/queries on database muzej2020:				
te loto2020rsok ↑	1 SHOW GRANTS FOR 'kustos'@'localhost';				
e muzej2020					
Procedures					
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+ postavka u prostoriji					
🕀 🥢 predmet u postavci					11
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+ muzejproba	Bookmark this SQL query:				
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muzejsi2020grupa2		Bookmarks Optic	ns Histo	ory Cl	ear .
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Nakon izvršavanja "Show grants" DCL komande sledi stranica sa prikazom liste prava korisnika:



Ukidanje prava pristupa tabelama baze podataka se radi pomoću "Revoke" SQL DCL komande. Primer prikazuje ukidanje prava brisanja podataka ("Delete") iz četiri navedene tabele baze podataka "muzej2020":

[9] TFZR - Kompleksne baz × G Sign in - Google a	cou x 🎪 localhost88 / 127.0.0.1 x b creating users in mysql x   🚺 Revoking Privileges from x   🥥 How To Create a New U x   +	-	٥	×
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Recent Favorites	M Structure SQL Search Query Export Import	▼ More	÷	
loto2020rsok     muzej2020	<pre>1 REVOKE DELETE ON muzej2020.postavka FROM 'kustos'@'localhost'; 2 REVOKE DELETE ON muzej2020.prostorija FROM 'kustos'@'localhost'; 3 REVOKE DELETE ON muzej2020.`predmet u postavci` FROM 'kustos'@'localhost'; 4 REVOKE DELETE ON muzej2020.`postavka u prostoriji` FROM 'kustos'@'localhost'; 5 </pre>			I
Procedures     Tables     New     period     postavka     postavka				
	Clear Format Get auto-saved query			fi -
Views     muzejproba     muzejsi2020grupa1     muzejsi2020grupa2	Bookmark this SQL query: Delimiter ; ] Show this query here again Retain query box Bookmarks Options	s Histor	Go) y Cit	
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Prikaz stranice sa rezultatom ukidanja prava korisnika SQL komandama:



<u>Brisanje korisnika iz</u> baze podataka, kao i iz samog servera se vrši pomoću "Drop user" SQL DCL komande. Primer prikazuje brisanje korisnika "kustos":

[3] TFZR - Kompleksne baz 🗙 🛛 🔓 Sign in – Google acc	ou 🗴 🙀 localhost88 127.0.0.1 🗴 🔥 creating users in mysql 🗴   👿 Revoking Privileges from X   🧔 How To Create a New U X   -	-	-	o ×
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<ul> <li>Tables</li> <li>New</li> <li>period</li> <li>postavka</li> <li>postavka u prostoriji</li> </ul>				11
	Clear Format Get auto-saved query			
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<ul> <li>muzejsi2020grupa1</li> <li>muzejsi2020grupa2</li> </ul>	Image: Delimiter       Image: Delimiter       Image: Delimiter       Image: Delimiter       Retain query box         Image: Delimiter       Image: Delimiter       Bookmarks       Option         Image: Delimiter       Bookmarks       Option	ons H	History	io Clear
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Nakon ispisane SQL komande za brisanje korisnika, kao što je već više puta navedeno u ovim tutorijalima, bira se taster "Go". Prikazuje se poruka o vremenu izvršavanja komande, njena uspešnost, kao i sam SQL skript.

[9] TFZR - Kompleksne baz × G Sign in - Google	accoul 🗴 🙀 localhost88/127.0.0.1 🗴 🔥 creating users in mysql 🗴   🕅 Revoking Privileges fron 🗴   🥥 How To Create a New U 🗙   🕂	- 0	×
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e muzej2020			
Procedures	DROP USER 'kustos'@'localhost'		
Tables	[Edit inline] [ Edit [	Create PHP of	ode]
New Plan period			-0
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muzejsizozogrupaz	Console Bookmarks Optio	ons History (	Clear
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Lista korisnika sa njihovim pravima, naravno, bez obrisanog korisnika:

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主 🗐 loto2020rsok	User name	Host name	Туре	Privileges	Grant	Action		
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+ 1 period	root	127.0.0.1	global	ALL PRIVILEGES	Yes	🔊 Edit privilege:	s 🔳 Expo	rt
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