

## Zadatak: Biblioteka

### 1. Pravljenje baze

#### Databases

Create database

biblioteka

utf8\_unicode\_ci

Create

### 2. Pravljenje tabele autori

Table name: autori Add 1 column(s) Go

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A_I	Comm
Šifra	VARCHAR	5	None	utf8_unicode_ci		<input type="checkbox"/>	---	<input type="checkbox"/>	
Ime	VARCHAR	30	None	utf8_unicode_ci		<input type="checkbox"/>	---	<input type="checkbox"/>	
Prezime	VARCHAR	30	None	utf8_unicode_ci		<input type="checkbox"/>	---	<input type="checkbox"/>	
Datum_rođenja	DATE		None			<input type="checkbox"/>	---	<input type="checkbox"/>	

Table comments: Collation: Storage Engine: InnoDB

PARTITION definition: Partition by: ( Expression or column list ) Partitions:

Preview SQL Save

### 3. Pravljenje tabele knjige

Table name: knjige Add 1 column(s) Go

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A_I	Comm
Id	INT		None			<input type="checkbox"/>	PRIMARY	<input checked="" type="checkbox"/>	
Naziv	VARCHAR	30	None	utf8_unicode_ci		<input type="checkbox"/>	---	<input type="checkbox"/>	
Autor	VARCHAR	5	None	utf8_unicode_ci		<input type="checkbox"/>	---	<input type="checkbox"/>	
Broj_strana	INT		As defined: 200			<input type="checkbox"/>	---	<input type="checkbox"/>	
Godina_izdanja	YEAR		As defined: 2019			<input type="checkbox"/>	---	<input type="checkbox"/>	
	INT		None			<input type="checkbox"/>	---	<input type="checkbox"/>	

Table comments: Collation: Storage Engine: InnoDB

Primarni ključ je postavljen zbog opcije A.I. Postavljanje stranog ključa:

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
	Autor_FK	Autor	biblioteka	autor	Šifra
	ON DELETE: CASCADE	ON UPDATE: CASCADE	+ Add column		
+ Add constraint					

Preview SQL Save

#### 4. Pravljenje tabele članovi

Table name: članovi Add 1 column(s) Go

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A_I	Comm
Id	INT		None			<input type="checkbox"/>	PRIMARY	<input checked="" type="checkbox"/>	
Ime	VARCHAR	30	None	utf8_unicode_ci		<input type="checkbox"/>	---	<input type="checkbox"/>	
Prezime	VARCHAR	30	None	utf8_unicode_ci		<input type="checkbox"/>	---	<input type="checkbox"/>	
Datum_rođenja	DATE		None			<input type="checkbox"/>	---	<input type="checkbox"/>	

Table comments: Collation: Storage Engine: InnoDB

PARTITION definition: Partition by: ( Expression or column list ) Partitions:

Preview SQL Save

Primarni ključ je postavljen zbog opcije A.I.

## 5. Pravljenje tabele iznajmljivanje

Table name:  Add  column(s)

Name	Type	Length/Values	Default	Collation	Attributes	Null	Index	A_I
ČlanId	INT		None			<input type="checkbox"/>	---	<input type="checkbox"/>
KnjigaId	INT		None			<input type="checkbox"/>	---	<input type="checkbox"/>
Iznajmljeno	DATE		None			<input type="checkbox"/>	---	<input type="checkbox"/>
Vraćeno	BOOLEAN		As defined: 0			<input type="checkbox"/>	---	<input type="checkbox"/>

Table comments:  Collation:  Storage Engine:

PARTITION definition:

Partitions:

## Postavljanje stranih ključeva

Foreign key constraints

Actions	Constraint properties	Column	Foreign key constraint (INNODB)		
			Database	Table	Column
	<input type="text" value="Član_FK"/>	<input type="text" value="ČlanId"/>	<input type="text" value="biblioteka"/>	<input type="text" value="član"/>	<input type="text" value="Id"/>
	ON DELETE <input type="text" value="CASCADE"/> ON UPDATE <input type="text" value="CASCADE"/>	<input type="button" value="+ Add column"/>			
	<input type="text" value="Knjiga_FK"/>	<input type="text" value="KnjigaId"/>	<input type="text" value="biblioteka"/>	<input type="text" value="knjiga"/>	<input type="text" value="Id"/>
	ON DELETE <input type="text" value="CASCADE"/> ON UPDATE <input type="text" value="CASCADE"/>	<input type="button" value="+ Add column"/>			
<input type="button" value="+ Add constraint"/>					

6. ...10. Pogledati u datoteci biblioteka.sql. Uputstva za popunjavanje baze i izvoz podataka nalaze se u prezentaciji.

### SQL upiti - baza biblioteka:

1. INSERT INTO `knjiga` (`Id`, `Naziv`, `Autor`, `Broj\_strana`, `Godina\_izdanja`) VALUES (NULL, "Znakovi pored puta", "IA200", 476, 1976), (NULL, "Mister Dolar", "BN408", 93, 1932)
2. DELETE FROM `knjiga` WHERE Godina\_izdanja = 1924
3. UPDATE `iznajmljivanje` SET `Vraćeno` = 1 WHERE `Iznajmljeno` < '2019-05-05' AND `Vraćeno` = 0
4. UPDATE `iznajmljivanje` SET `Iznajmljeno` = '2019-05-05', `Vraćeno` = 0 WHERE `ČlanId` = 2
5. DELETE FROM `autori` WHERE `Datum\_rođenja` >= '1801-01-01' AND `Datum\_rođenja` <= '1900-12-31'

### SQL upiti - baza fakultet:

1. INSERT INTO `predmet` (`sifra`, `naziv`, `bodovi`, `semestar`) VALUES ('RBP', 'Relacione baze podataka', 5, 5), ('PBP', 'Programiranje baza podataka', 5, 6), ('PrBP', 'Projektovanje baza podataka', 8, 7)
2. UPDATE `predmet` SET `bodovi` = 8 WHERE `semestar` = 5
3. INSERT INTO `student` (`Indeks`, `Ime`, `Prezime`, `Napomena`) VALUES ('mr16145', 'Ivan', 'Petrovic', '')
4. INSERT INTO `polaganja` (`indeks`, `sifra`, `ocena`, `datum`) VALUES ('mr16145', 'PBP', 6, '2018-06-22'), ('mr16145', 'RBP', 7, '2018-01-29'), ('mr16145', 'A1', 8, '2018-07-02'), ('mr16145', 'P1', 9, '2018-02-04')
5. DELETE FROM `student` WHERE `Prezime` = 'Petrovic'
6. DELETE FROM `student` WHERE `Napomena` <> ''