

МИНИСТЕРСТВО НАУКИ И ВЫСШЕГО ОБРАЗОВАНИЯ РОССИЙСКОЙ ФЕДЕРАЦИИ  
ФГБОУ ВО АЛТАЙСКИЙ ГОСУДАСТВЕННЫЙ УНИВЕРСИТЕТ

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Кафедра вычислительной техники и электроники

## Работа с датой временем. Условия. Однотабличные запросы

(Отчёт по индивидуальному заданию по курсу «Базы Данных»)

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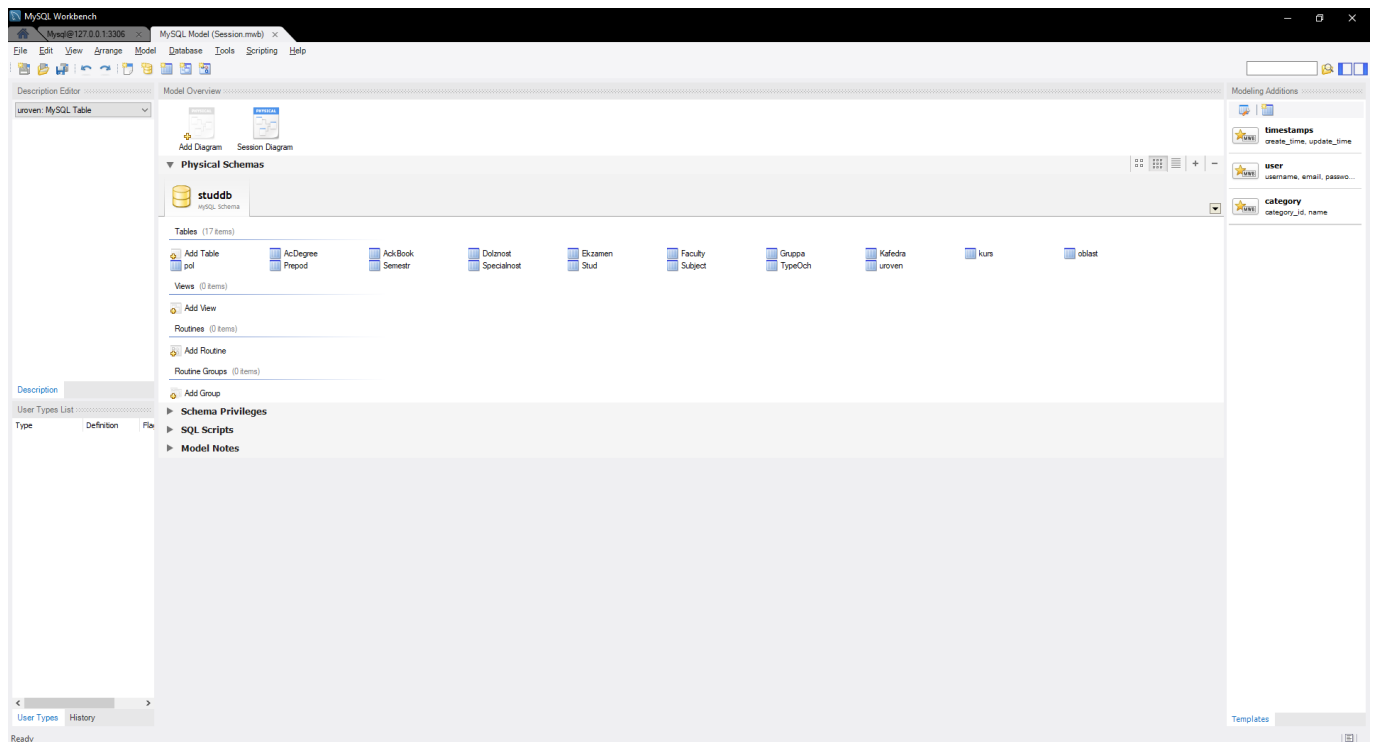
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# 1 Информация о создании БД

```
CREATE SCHEMA IF NOT EXISTS 'studdb' DEFAULT CHARACTER SET utf8
```



## 2 Информация о создании таблиц

### 2.1 AcDegree

```
CREATE TABLE IF NOT EXISTS 'studdb'.'AcDegree' (  
  'AcDegree_ID' INT NOT NULL,  
  'fk_uroven_ID' VARCHAR(1) NULL,  
  'fk_oblast_ID' INT NULL,  
  'AcDegree' VARCHAR(50) NULL,  
  'AcDegreeShort' VARCHAR(10) NULL,  
  PRIMARY KEY ('AcDegree_ID'),  
  INDEX 'fk_oblast_ID_idx' ('fk_oblast_ID' ASC) VISIBLE,  
  INDEX 'fk_uroven_ID_idx' ('fk_uroven_ID' ASC) VISIBLE,  
  CONSTRAINT 'fk_uroven_ID'  
    FOREIGN KEY ('fk_uroven_ID')  
      REFERENCES 'studdb'.'uroven' ('uroven_id')  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION,  
  CONSTRAINT 'fk_oblast_ID'  
    FOREIGN KEY ('fk_oblast_ID')  
      REFERENCES 'studdb'.'oblast' ('oblast_ID')  
      ON DELETE NO ACTION  
      ON UPDATE NO ACTION)  
ENGINE = InnoDB
```

AcDegree - Table x

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
AcDegree_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_uroven_ID	VARCHAR(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_oblast_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AcDegree	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
AcDegreeShort	VARCHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:  Data Type:

Charset/Collation:  Default:

Comments:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns | Indexes | Foreign Keys | Triggers | Partitioning | Options | Inserts | Privileges

## 2.2 AckBook

```
CREATE TABLE IF NOT EXISTS 'studdb'.'AckBook' (
  'AckBook_ID' INT NOT NULL,
  'fk_Ekzamen_ID' INT NULL,
  'fk_Type0ch_ID' INT NULL,
  'fk_Stud_ID' INT NULL,
  'DataRec' DATE NULL,
  PRIMARY KEY ('AckBook_ID'),
  INDEX 'fk_Ekzamen_ID_idx' ('fk_Ekzamen_ID' ASC) VISIBLE,
  INDEX 'fk_Type0ch_ID_idx' ('fk_Type0ch_ID' ASC) VISIBLE,
  INDEX '1_idx' ('fk_Stud_ID' ASC) VISIBLE,
  CONSTRAINT 'fk_Ekzamen_ID'
    FOREIGN KEY ('fk_Ekzamen_ID')
      REFERENCES 'studdb'.'Ekzamen' ('Ekzamen_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT 'fk_Type0ch_ID'
    FOREIGN KEY ('fk_Type0ch_ID')
      REFERENCES 'studdb'.'Type0ch' ('Type0ch_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT 'fk_Stud_ID'
    FOREIGN KEY ('fk_Stud_ID')
      REFERENCES 'studdb'.'Stud' ('Stud_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB
```

Table Name: AckBook Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
AckBook_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Ekzamen_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Type0ch_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Stud_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DataRec	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:  Data Type:

Charset/Collation:  Default:

Comments:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.3 Dolznost

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Dolznost' (
    'Dolznost_ID' INT NOT NULL,
    'Dolznost' VARCHAR(20) NULL,
    PRIMARY KEY ('Dolznost_ID'))
ENGINE = InnoDB
```

Table Name: Dolznost Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Dolznost_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Dolznost	VARCHAR(20)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:  Data Type:

Charset/Collation:  Default:

Comments:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.4 Ekzamen

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Ekzamen' (
    'Ekzamen_ID' INT NOT NULL,
    'fk_Specialnost_ID' INT NULL,
    'fk_Semestr_ID' INT NULL,
    'fk_Subject_ID' INT NULL,
    'fk_Prepod_ID' INT NULL,
    PRIMARY KEY ('Ekzamen_ID'),
    INDEX 'fk_Specialnost_ID_idx' ('fk_Specialnost_ID' ASC) VISIBLE,
    INDEX 'fk_Semestr_ID_idx' ('fk_Semestr_ID' ASC) VISIBLE,
    INDEX 'fk_Subject_ID_idx' ('fk_Subject_ID' ASC) VISIBLE,
    INDEX 'fk_Prepod_ID_idx' ('fk_Prepod_ID' ASC) VISIBLE,
    CONSTRAINT 'fk_Specialnost_ID'
```

```

FOREIGN KEY ('fk_Specialnost_ID')
REFERENCES 'studdb'.'Specialnost' ('Specialnost_ID')
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT 'fk_Semestr_ID'
FOREIGN KEY ('fk_Semestr_ID')
REFERENCES 'studdb'.'Semestr' ('Semestr_ID')
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT 'fk_Subject_ID'
FOREIGN KEY ('fk_Subject_ID')
REFERENCES 'studdb'.'Subject' ('Subject_ID')
ON DELETE NO ACTION
ON UPDATE NO ACTION,
CONSTRAINT 'fk_Prepod_ID'
FOREIGN KEY ('fk_Prepod_ID')
REFERENCES 'studdb'.'Prepod' ('Prepod_ID')
ON DELETE NO ACTION
ON UPDATE NO ACTION)
ENGINE = InnoDB

```

Ekzamen - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Ekzamen_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Specialnost_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Semestr_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Subject_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Prepod_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:  Data Type:

CharSet/Collation:  Default:

Comments:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.5 Faculty

```

CREATE TABLE IF NOT EXISTS 'studdb'.'Faculty' (
  'Faculty_ID' INT NOT NULL,
  'Faculty' VARCHAR(40) NULL,
  'FacShort' VARCHAR(6) NULL,
  PRIMARY KEY ('Faculty_ID'))
ENGINE = InnoDB

```

Faculty - Table x

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Faculty_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Faculty	VARCHAR(40)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FacShort	VARCHAR(6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored ☐ Primary Key ☐ Not Null ☐ Unique ☐ Binary ☐ Unsigned ☐ Zero Fill ☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.6 Gruppo

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Gruppa' (
  'Gruppa_ID' INT NOT NULL,
  'fk_Faculty_ID' INT NULL,
  'fk_kurs_ID' INT NULL,
  'fk_Specialnost_ID' INT NULL,
  'Gruppa' VARCHAR(10) NULL,
  PRIMARY KEY ('Gruppa_ID'),
  INDEX 'fk_Faculty_ID_idx' ('fk_Faculty_ID' ASC) VISIBLE,
  INDEX 'fk_kurs_ID_idx' ('fk_kurs_ID' ASC) VISIBLE,
  INDEX 'fk_Specialnost_ID_idx' ('fk_Specialnost_ID' ASC) VISIBLE,
  CONSTRAINT 'fk_Faculty_ID'
    FOREIGN KEY ('fk_Faculty_ID')
      REFERENCES 'studdb'.'Faculty' ('Faculty_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT 'fk_kurs_ID'
    FOREIGN KEY ('fk_kurs_ID')
      REFERENCES 'studdb'.'kurs' ('kurs_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT 'fk_Specialnost_ID'
    FOREIGN KEY ('fk_Specialnost_ID')
      REFERENCES 'studdb'.'Specialnost' ('Specialnost_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB
```

Gruppa - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Gruppa_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Faculty_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_kurs_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Specialnost_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Gruppa	VARCHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.7 Kafedra

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Kafedra' (
  'Kafedra_ID' INT NOT NULL,
  'Kafedra' VARCHAR(50) NULL,
  'KafedraShort' VARCHAR(10) NULL,
  PRIMARY KEY ('Kafedra_ID'))
ENGINE = InnoDB
```

Kafedra - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Kafedra_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Kafedra	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
KafedraShort	VARCHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.8 kurs

```
CREATE TABLE IF NOT EXISTS 'studdb'.'kurs' (
  'kurs_ID' INT NOT NULL,
  PRIMARY KEY ('kurs_ID'))
ENGINE = InnoDB
```



kurs - Table x

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
kurs_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.9 oblast

```
CREATE TABLE IF NOT EXISTS 'studdb'.'oblast' (
  'oblast_ID' INT NOT NULL,
  'oblast' VARCHAR(30) NULL,
  PRIMARY KEY ('oblast_ID'))
ENGINE = InnoDB
```

oblast - Table x

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
oblast_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
oblast	VARCHAR(30)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.10 pol

```
CREATE TABLE IF NOT EXISTS 'studdb'.'pol' (
  'pol_id' INT NOT NULL,
  'pol' VARCHAR(7) NULL,
  'pol_short' VARCHAR(1) NULL,
  PRIMARY KEY ('pol_id'))
ENGINE = InnoDB
```

pol - Table x

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
pol_id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
pol	VARCHAR(7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
pol_short	VARCHAR(1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.11 Prepod

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Prepod' (
  'Prepod_ID' INT NOT NULL,
  'fk_Dolznost_ID' INT NULL,
  'fk_AcDegree_ID' INT NULL,
  'fk_Kafedra_ID' INT NULL,
  'LName' VARCHAR(50) NULL,
  'FName' VARCHAR(50) NULL,
  'MName' VARCHAR(50) NULL,
  'BirthDay' DATE NULL,
  PRIMARY KEY ('Prepod_ID'),
  INDEX 'fk_Dolznost_ID_idx' ('fk_Dolznost_ID' ASC) VISIBLE,
  INDEX 'fk_AcDegree_ID_idx' ('fk_AcDegree_ID' ASC) VISIBLE,
  INDEX 'fk_Kafedra_ID_idx' ('fk_Kafedra_ID' ASC) VISIBLE,
  CONSTRAINT 'fk_Dolznost_ID'
    FOREIGN KEY ('fk_Dolznost_ID')
      REFERENCES 'studdb'.'Dolznost' ('Dolznost_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT 'fk_AcDegree_ID'
    FOREIGN KEY ('fk_AcDegree_ID')
      REFERENCES 'studdb'.'AcDegree' ('AcDegree_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT 'fk_Kafedra_ID'
    FOREIGN KEY ('fk_Kafedra_ID')
      REFERENCES 'studdb'.'Kafedra' ('Kafedra_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB
```

Prepod - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Prepod_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Dolznost_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_AcDegree_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Kafedra_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LName	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
FName	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MName	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BirthDay	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns | Indexes | Foreign Keys | Triggers | Partitioning | Options | Inserts | Privileges

## 2.12 Semestr

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Semestr' (
  'Semestr_ID' INT NOT NULL,
  'fk_kurs_ID' INT NULL,
  'Semestr' INT NULL,
  PRIMARY KEY ('Semestr_ID'),
  INDEX 'fk_kurs_ID_idx' ('fk_kurs_ID' ASC) VISIBLE,
  CONSTRAINT 'fk_kurs_ID'
    FOREIGN KEY ('fk_kurs_ID')
      REFERENCES 'studdb'.'kurs' ('kurs_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB
```

Semestr - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Semestr_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_kurs_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Semestr	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns | Indexes | Foreign Keys | Triggers | Partitioning | Options | Inserts | Privileges

## 2.13 Specialnost

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Specialnost' (
  'Specialnost_ID' INT NOT NULL,
  'Specialnost' VARCHAR(100) NULL,
  'CodOCSO' VARCHAR(10) NULL,
  PRIMARY KEY ('Specialnost_ID'))
ENGINE = InnoDB
```

Specialnost - Table

Table Name: Specialnost Schema: studdb

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Specialnost_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Specialnost	VARCHAR(100)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CodOCSO	VARCHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns | Indexes | Foreign Keys | Triggers | Partitioning | Options | Inserts | Privileges

## 2.14 Stud

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Stud' (
  'Stud_ID' INT NOT NULL,
  'fk_pol_id' INT NULL,
  'fk_Gruppa_ID' INT NULL,
  'NoZach' VARCHAR(10) NULL,
  'LName' VARCHAR(50) NULL,
  'FName' VARCHAR(50) NULL,
  'MName' VARCHAR(50) NULL,
  'BirthDay' DATE NULL,
  'Rost' DECIMAL(7,2) NULL,
  'Ves' INT NULL,
  'Stipendia' INT NULL,
  PRIMARY KEY ('Stud_ID'),
  INDEX 'fk_pol_id_idx' ('fk_pol_id' ASC) VISIBLE,
  INDEX 'fk_Gruppa_ID_idx' ('fk_Gruppa_ID' ASC) VISIBLE,
  CONSTRAINT 'fk_pol_id'
    FOREIGN KEY ('fk_pol_id')
      REFERENCES 'studdb'.'pol' ('pol_id')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION,
  CONSTRAINT 'fk_Gruppa_ID'
    FOREIGN KEY ('fk_Gruppa_ID')
      REFERENCES 'studdb'.'Gruppa' ('Gruppa_ID')
      ON DELETE NO ACTION
      ON UPDATE NO ACTION)
ENGINE = InnoDB
```

Stud - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Stud_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_pol_id	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
fk_Gruppe_ID	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NoZach	VARCHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LName	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PName	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
MName	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BirthDay	DATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Rost	DECIMAL(7,2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ves	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stipendia	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.15 Subject

```
CREATE TABLE IF NOT EXISTS 'studdb'.'Subject' (
  'Subject_ID' INT NOT NULL,
  'Subject' VARCHAR(50) NULL,
  'ShortSubject' VARCHAR(10) NULL,
  PRIMARY KEY ('Subject_ID'))
ENGINE = InnoDB
```

Subject - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
Subject_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Subject	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
ShortSubject	VARCHAR(10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.16 TypeOch

```
CREATE TABLE IF NOT EXISTS 'studdb'.'TypeOch' (
  'TypeOch_ID' INT NOT NULL,
  'TypeOch' INT NULL,
  'Coment' VARCHAR(20) NULL,
  PRIMARY KEY ('TypeOch_ID'))
ENGINE = InnoDB
```

TypeOch - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
TypeOch_ID	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
TypeOch	INT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Coment	VARCHAR(20)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

## 2.17 uroven

```
CREATE TABLE IF NOT EXISTS 'studdb'.'uroven' (
  'uroven_id' VARCHAR(1) NOT NULL,
  'uroven' VARCHAR(50) NULL,
  PRIMARY KEY ('uroven_id'))
ENGINE = InnoDB
```

uroven - Table

Table Name:  Schema: **studdb**

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
uroven_id	VARCHAR(1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
uroven	VARCHAR(50)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Column Name:

Charset/Collation:

Comments:

Data Type:

Default:

Storage: ☐ Virtual ☐ Stored

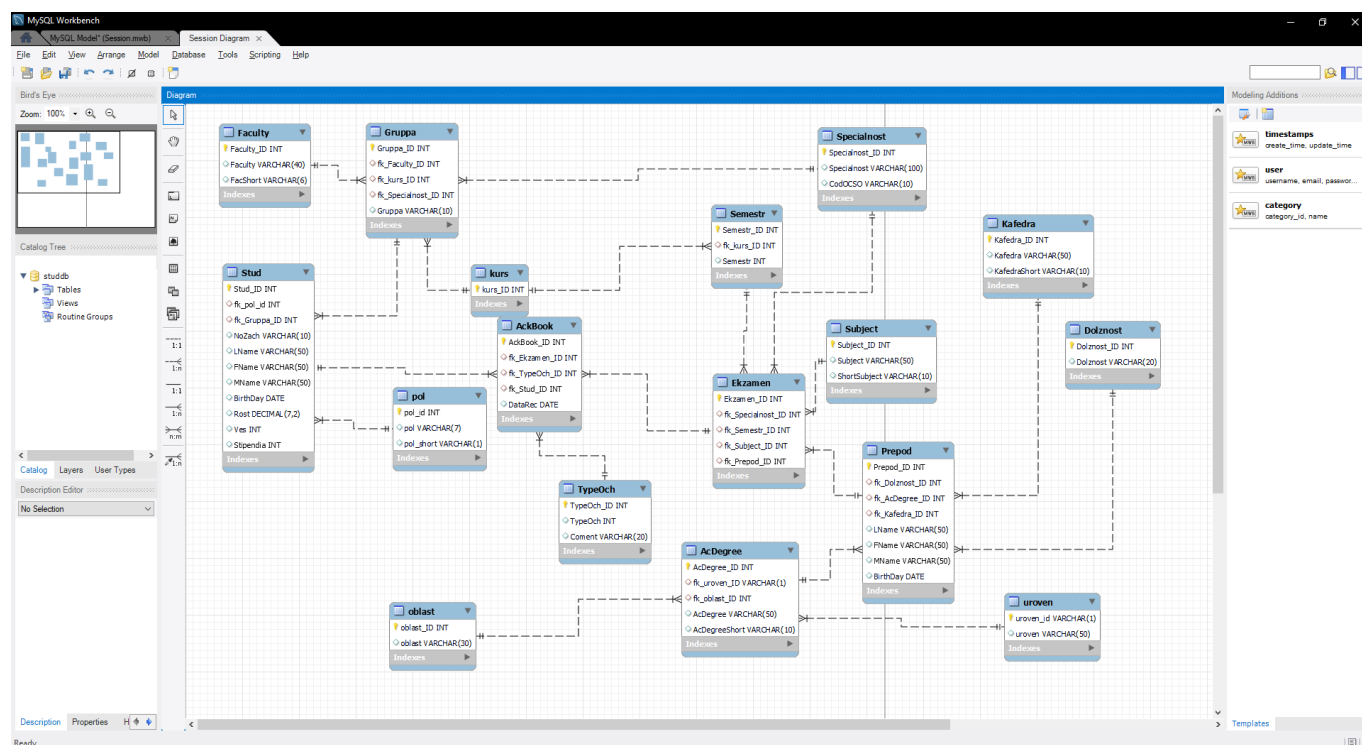
☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Columns Indexes Foreign Keys Triggers Partitioning Options Inserts Privileges

### 3 Информация о создании ER-диаграммы



### 4 Информация о заполнении таблиц данными

The screenshot shows the MySQL Workbench interface with a SQL script editor and an output window. The script contains SQL commands for truncating and inserting data into various tables. The output window shows the execution results, including the number of rows affected and the duration of each operation.

**SQL Script:**

```
1. TRUNCATE TABLE acdegree;
2. TRUNCATE TABLE ackbook;
3. TRUNCATE TABLE dolznost;
4. TRUNCATE TABLE ekzamen;
5. TRUNCATE TABLE faculty;
6. TRUNCATE TABLE grupa;
7. TRUNCATE TABLE katedra;
8. TRUNCATE TABLE kurs;
9. TRUNCATE TABLE oblast;
10. TRUNCATE TABLE pol;
11. TRUNCATE TABLE prepod;
12. TRUNCATE TABLE semestr;
13. TRUNCATE TABLE specialnost;
14. TRUNCATE TABLE stud;
15. TRUNCATE TABLE subject;
16. TRUNCATE TABLE typeoch;
17. TRUNCATE TABLE uroven;
18.
19. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (1, 'физика-математика');
20. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (2, 'философия');
21. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (3, 'биология');
22. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (4, 'экономика');
23. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (5, 'педагогика');
24. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (6, 'психология');
25. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (7, 'химия');
26. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (8, 'химия');
```

**Output Window:**

Time	Action	Message	Duration / Fetch
1038 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (14, 1, 445, 6, 2000-06-26 00:00:00)	1 row(s) affected	0.000 sec
1039 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (15, 1, 492, 6, 2000-06-26 00:00:00)	1 row(s) affected	0.000 sec
1040 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (16, 1, 497, 6, 2000-06-26 00:00:00)	1 row(s) affected	0.000 sec
1041 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (17, 1, 590, 6, 2000-06-26 00:00:00)	1 row(s) affected	0.000 sec
1042 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (18, 1, 603, 2, 2000-06-26 00:00:00)	1 row(s) affected	0.000 sec
1043 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (19, 1, 609, 5, 2000-06-26 00:00:00)	1 row(s) affected	0.000 sec
1044 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (20, 1, 610, 6, 2000-06-26 00:00:00)	1 row(s) affected	0.000 sec
1045 17:53:02	INSERT INTO ACKBOOK (ACKBOOK_ID, FK_EKZAMEN_ID, FK_TYPOCH_ID, FK_STUD_ID, FK_DATAREQ) VALUES (21, 1, 624, 0, 2000-06-26 00:00:00)	1 row(s) affected	0.015 sec
1046 17:53:02	COMMIT WORK	0 row(s) affected	0.000 sec

## 5 Информация о результате выполнения запросов

### 5.1 Вывести фамилии, имена и даты рождения всех девушек, родившихся в понедельник в январе.

```
select LName, FName, BirthDay from studdb.stud where dayofweek(BirthDay) = 2 and  
dayofmonth(BirthDay) = 1 and fk_pol_id = 0;
```

The screenshot shows the MySQL Workbench interface. The main editor contains a SQL query to select names and birth dates from the 'stud' table in the 'studdb' database, filtered by birth day of the week (Monday) and birth month (January). The query is as follows:

```
1 # 1  
2 select LName, FName, BirthDay from studdb.stud where dayofweek(BirthDay) = 2 and dayofmonth(BirthDay) = 1 and fk_pol_id = 0;  
3 # 2  
4 select LName, BirthDay from studdb.stud  
5 where  
6 (LName like "А%" or FName like "А%")  
7 and dayofmonth(BirthDay) in (9,10,11)  
8 and fk_pol_id = 1;  
9 # 3  
10 select concat(LName, " ", FName, " ", FName) as "ФИО", Stud_ID as "ИД зачетки", BirthDay as "Дата рождения" from studdb.stud  
11 where  
12 timestampdiff(year, curdate(), BirthDay) < 34  
13 and dayofmonth(BirthDay) in (9,10,11) ;  
14 # 4
```

The 'Result Grid' shows the results of the query, displaying three rows of data:

LName	FName	BirthDay
Михайлова	Шарана	1989-05-01
Кудачева	Раша	1990-10-01
Григорьева	Анна	1990-10-01

The 'Output' pane at the bottom shows the execution log with three actions:

#	Time	Action	Message	Duration / Fetch
1	18:13:03	select lower(LName), lower(FName) from studdb.stud where LName like "А%";	25 row(s) returned	0.000 sec / 0.000 sec
2	18:13:31	select upper(substring(LName,1,5)), lower(substring(FName,1,2)), (case when R_GroupID = 384 then length(FName)/2 else null end) as groups from st...	701 row(s) returned	0.016 sec / 0.000 sec
3	18:13:36	select LName, FName, BirthDay from studdb.stud where dayofweek(BirthDay) = 2 and dayofmonth(BirthDay) = 1 and fk_pol_id = 0	3 row(s) returned	0.015 sec / 0.000 sec



## 5.2 Вывести фамилии и даты рождения всех юношей, родившихся в мае, сентябре и августе, у которых либо фамилии начинаются на А, либо содержат букву ж.

# 2

```
select LName, BirthDay from studdb.stud
where
(MName like "А%" or MName like "%ж")
and dayofmonth(BirthDay) in (5,8,9)
and fk_pol_id = 1;
```

The screenshot shows the MySQL Workbench interface. The SQL Editor contains a query that filters students by name and birth date. The Results window displays the output of the query, showing columns LName and BirthDay. The Output window shows the execution progress of the query.

**Query:**

```
1 # 1
2 select LName, FName, BirthDay from studdb.stud where dayofweek(BirthDay) = 2 and dayofmonth(BirthDay) = 1 and fk_pol_id = 0;
3
4 # 2
5 select LName, BirthDay from studdb.stud
6 where
7 (MName like "А%" or MName like "%ж")
8 and dayofmonth(BirthDay) in (5,8,9)
9 and fk_pol_id = 1;
10
11 # 3
12 select concat(LName," ", FName," ", MName) as "ФИО", Stud_ID as "№ зачетки", BirthDay as "Дата рождения" from studdb.stud
13 where
14 timestampdiff(year,curentdate(), BirthDay) < 34
15 and dayofmonth(BirthDay) in (9,10,11) ;
16
17 # 4
```

**Results:**

LName	BirthDay
Ковалев	1991-01-09
Сидоров	1989-10-09
Сидоров	1990-09-09

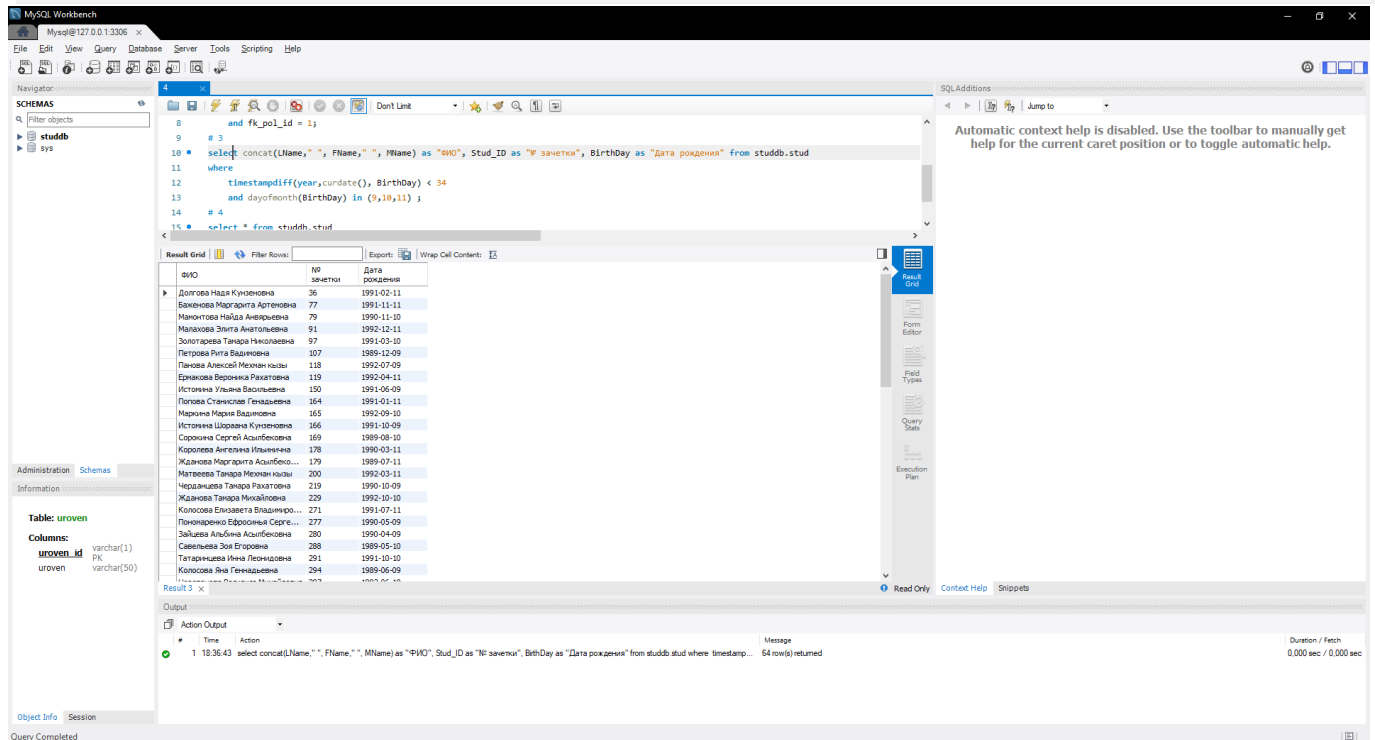
**Output:**

#	Time	Action	Message	Duration / Fetch
1	18:13:03	select lower(FName), lower(LName) from studdb.stud where MName like "А%"	25 row(s) returned	0.000 sec / 0.000 sec
2	18:13:31	select upper(substring(LName,1,5)), lower(substring(FName,1,2)) (case when R_GroupID = 384 then length(FName)/2 else null end) as groupa from st...	701 row(s) returned	0.016 sec / 0.000 sec
3	18:33:36	select LName, FName, BirthDay from studdb.stud where dayofweek(BirthDay) = 2 and dayofmonth(BirthDay) = 1 and fk_pol_id = 0	3 row(s) returned	0.015 sec / 0.000 sec
4	18:36:24	select LName, BirthDay from studdb.stud where (MName like "А%" or MName like "%ж") and dayofmonth(BirthDay) in (5,8,9) and fk_pol_id = 1	3 row(s) returned	0.000 sec / 0.000 sec

### 5.3 Вывести ФИО, номер зачетки и дату рождения студентов (в формате «ФИО, № зачетки, дата рождения». Пример: Иванов Иван Иванович, № 3256897855, 21.10.1991), которые родились осенью и младше 34 лет.

# 3

```
select concat(LName," ", FName," ", MName) as "ФИО", Stud_ID as "№ зачетки", BirthDay as "Дата рождения"
where
timestampdiff(year,curdate(), BirthDay) < 34
and dayofmonth(BirthDay) in (9,10,11) ;
```



### 5.4 Вывести все сведения о студентах, родившихся с 10 по 31 июля 1989 года

```
select * from studdb.stud
where
BirthDay between '1989/07/10' and '1989/07/31';
```

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

Schemas

Filter objects

studdb

sys

SQL Editor

```

11 where
12 timestampdiff(year,cupdate(), BirthDay) < 34
13 and dayofmonth(BirthDay) in (9,10,11) ;
14
15 # 4
16 select * from studdb.stud
17 where
18 BirthDay between '1989/07/10' and '1989/07/31';

```

Result Grid

Stud_ID	fk_pol_id	fk_Groupa_ID	NoZach	UName	FName	MName	BirthDay	Root	Yes	Stipendi
23	0	386	0387028098	Татаринцева	Юлия	Кузнецовна	1989-07-19	1.87	60	1500
105	0	305	7732543164	Иванова	Рита	Рязанковна	1989-07-31	1.87	62	1500
179	0	305	3418779485	Иванова	Маргарита	Акимовна	1989-07-11	1.66	84	0
182	0	394	6217611635	Черепанова	Виктория	Карповна	1989-07-26	1.80	61	1500
204	0	383	9492741914	Колесникова	Екатерина	Аскаридовна	1989-07-29	1.65	65	0
226	0	392	2160451802	Сидорова	Евдокия	Федоровна	1989-07-18	1.53	94	1500
300	0	392	1483768860	Комарова	Нина	Кавильевна	1989-07-27	1.85	66	0
449	0	306	9051636033	Лопаткина	Ида	Кавильевна	1989-07-23	1.63	67	1500
582	1	365	1434917158	Синярь	Тимур	Андреевич	1989-07-12	1.57	83	1500
650	1	376	7442018806	Иванов	Арсений	Анатолиевич	1989-07-20	1.72	76	0
675	1	391	6556776052	Захаров	Алена	Викторовна	1989-07-17	1.59	76	0

Administration Schemas

Information

Table: uroven

Columns:

- uroven\_id varchar(1) PK
- uroven varchar(50)

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	18.36.43	select concat(LName," ", FName," ", MName) as "ФИО", Stud_ID as "№ записи", BirthDay as "Дата записи" from studdb.stud where timestampdiff(year,cupdate(), BirthDay) < 34 and dayofmonth(BirthDay) in (9,10,11) ;	64 row(s) returned	0.000 sec / 0.000 sec
2	18.37.05	select * from studdb.stud where BirthDay between '1989/07/10' and '1989/07/31';	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

## 6 Вывод о проделанной работе

В ходе данной работы были изучены основы работы с типом данных Дата, Время, изучены базовые условия запросов.