

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

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Однотабличные запросы в SQL

(Отчёт по индивидуальному заданию по курсу «БАЗЫ ДАННЫХ»)

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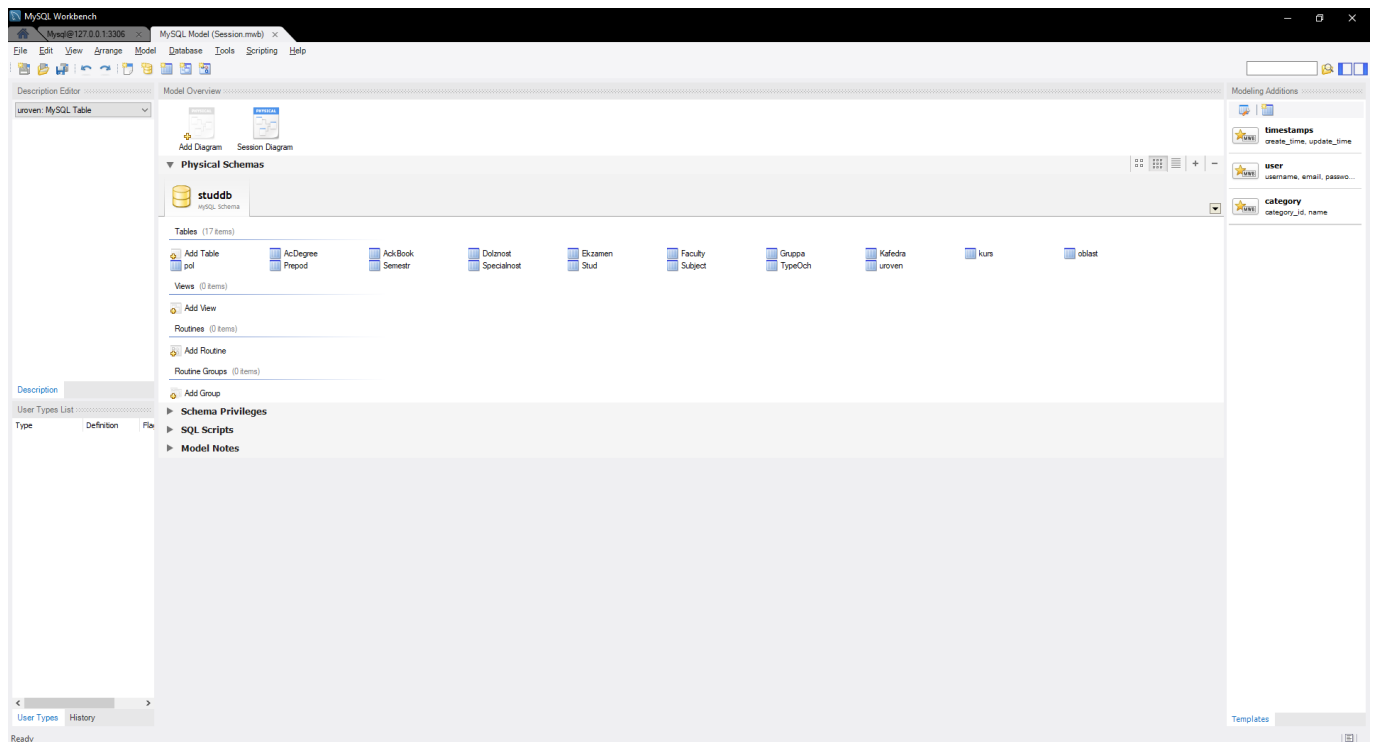
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1 Информация о создании БД

```
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

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

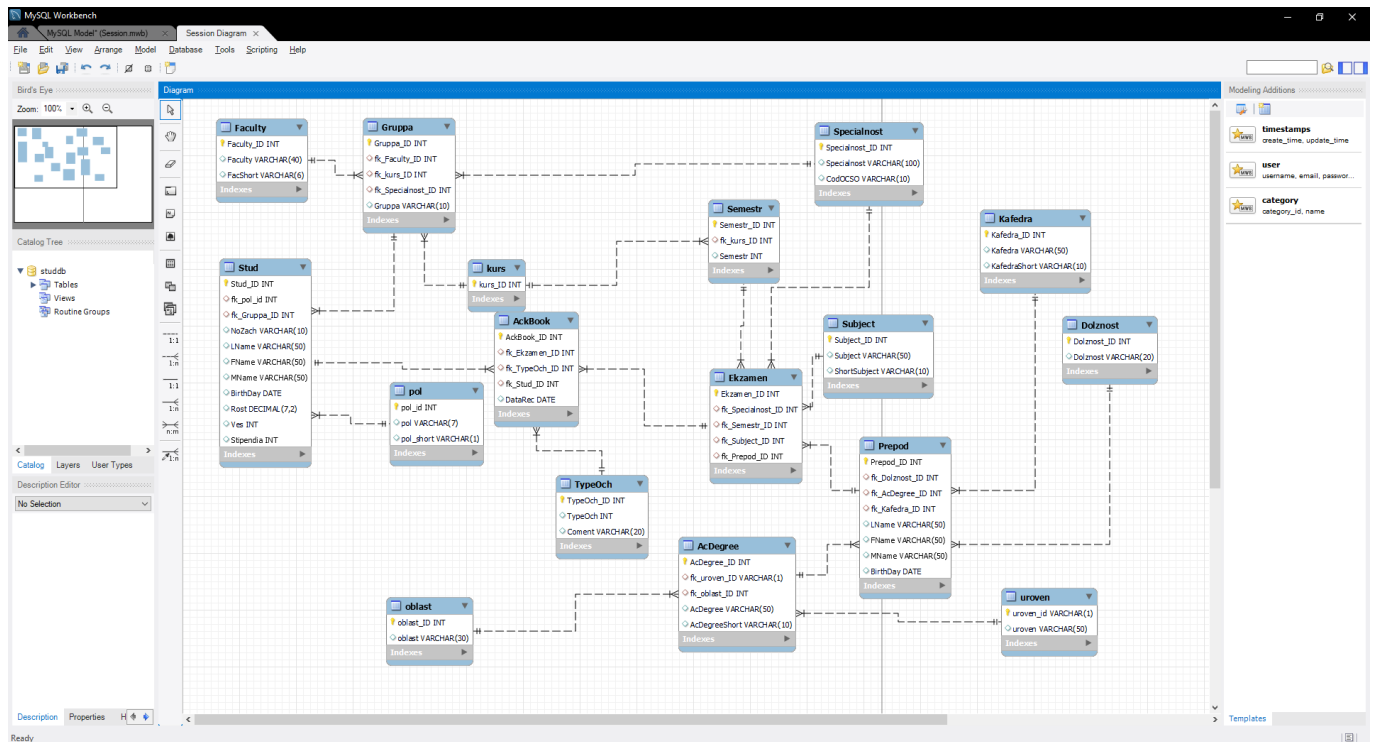
☐ Primary Key ☐ Not Null ☐ Unique

☐ 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 displays the MySQL Workbench interface with SQL scripts for truncating and inserting data into tables. The scripts are executed in the SQL Editor, and the output is shown in the Output window. The scripts include:

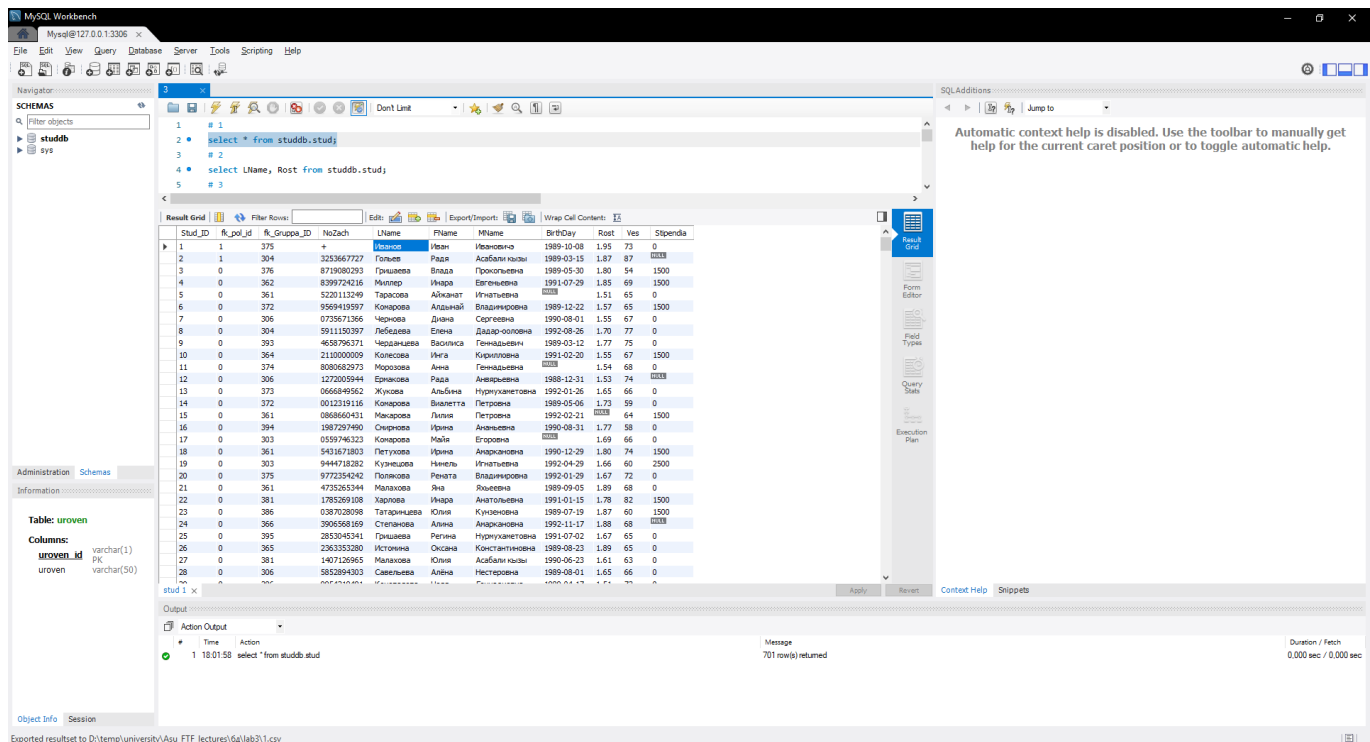
```
1. TRUNCATE TABLE acdegree;
2. TRUNCATE TABLE ackbook;
3. TRUNCATE TABLE dolnost;
4. TRUNCATE TABLE ekzamen;
5. TRUNCATE TABLE faculty;
6. TRUNCATE TABLE gruppa;
7. TRUNCATE TABLE kafedra;
8. TRUNCATE TABLE kurs;
9. TRUNCATE TABLE oblast;
10. TRUNCATE TABLE pol;
11. TRUNCATE TABLE prepod;
12. TRUNCATE 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, 'химия');
23. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (5, 'экономика');
24. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (6, 'педагогика');
25. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (7, 'психология');
26. INSERT INTO OBLAST (OBLAST_ID, OBLAST) VALUES (8, 'химия');
```

The Output window shows the results of the SQL execution, including the number of rows affected and the duration of each operation.

5 Информация о результате выполнения запросов

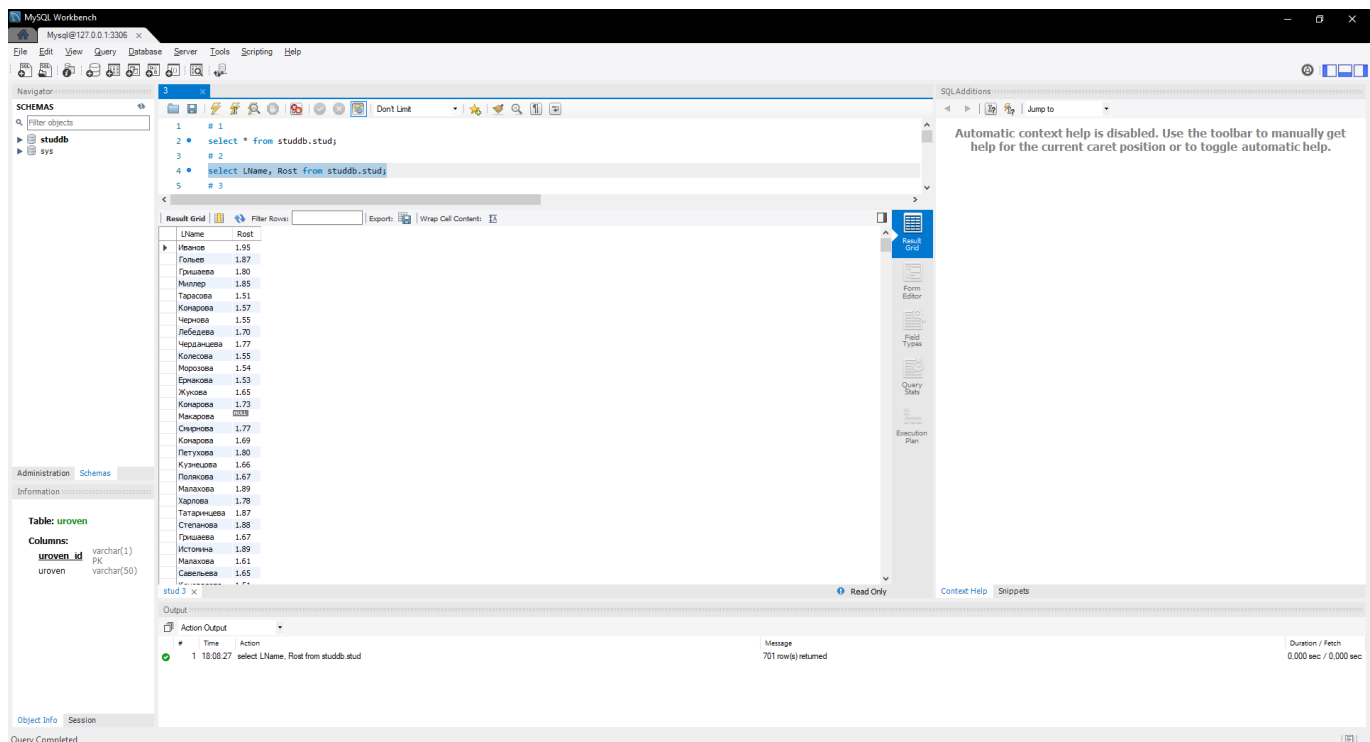
5.1 Вывести все данные о студентах из таблицы STUD.

```
|| select * from studdb.stud;
```



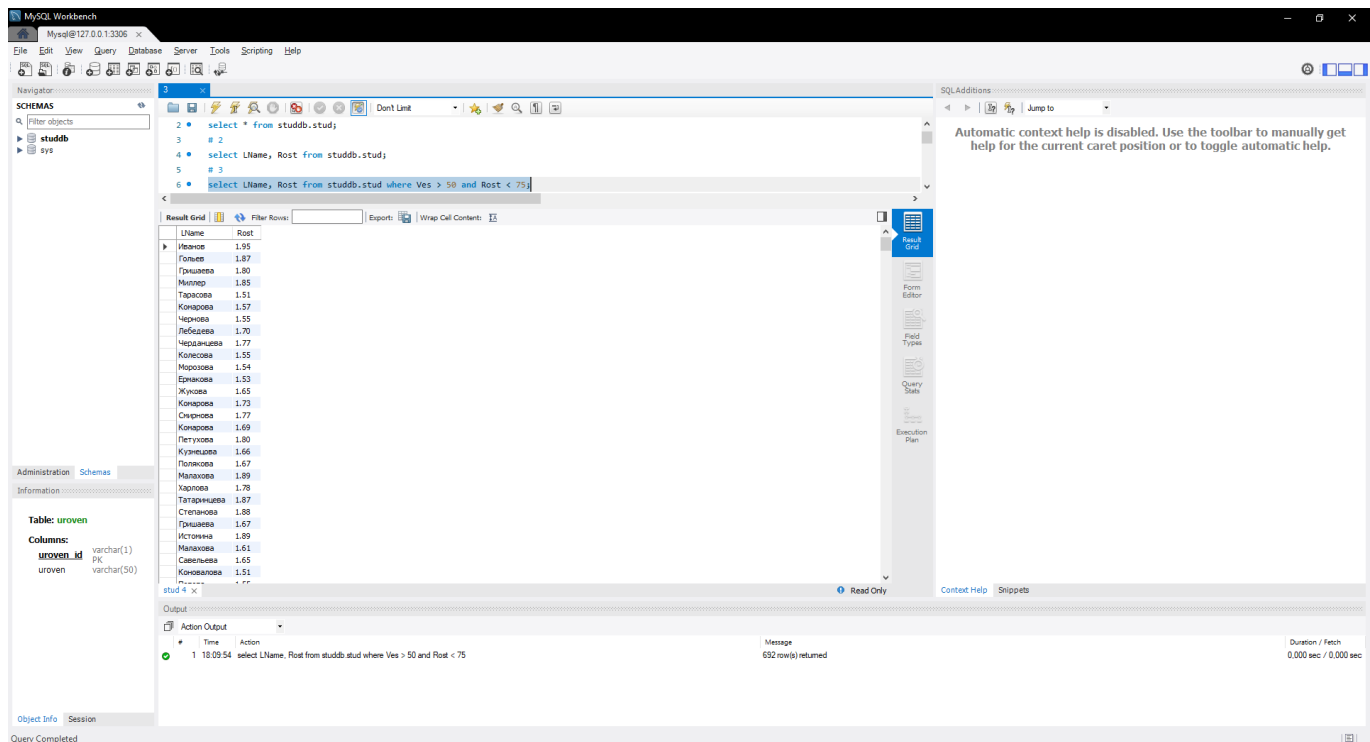
5.2 Вывести фамилию и рост всех студентов из таблицы STUD

```
|| select LName, Rost from studdb.stud;
```



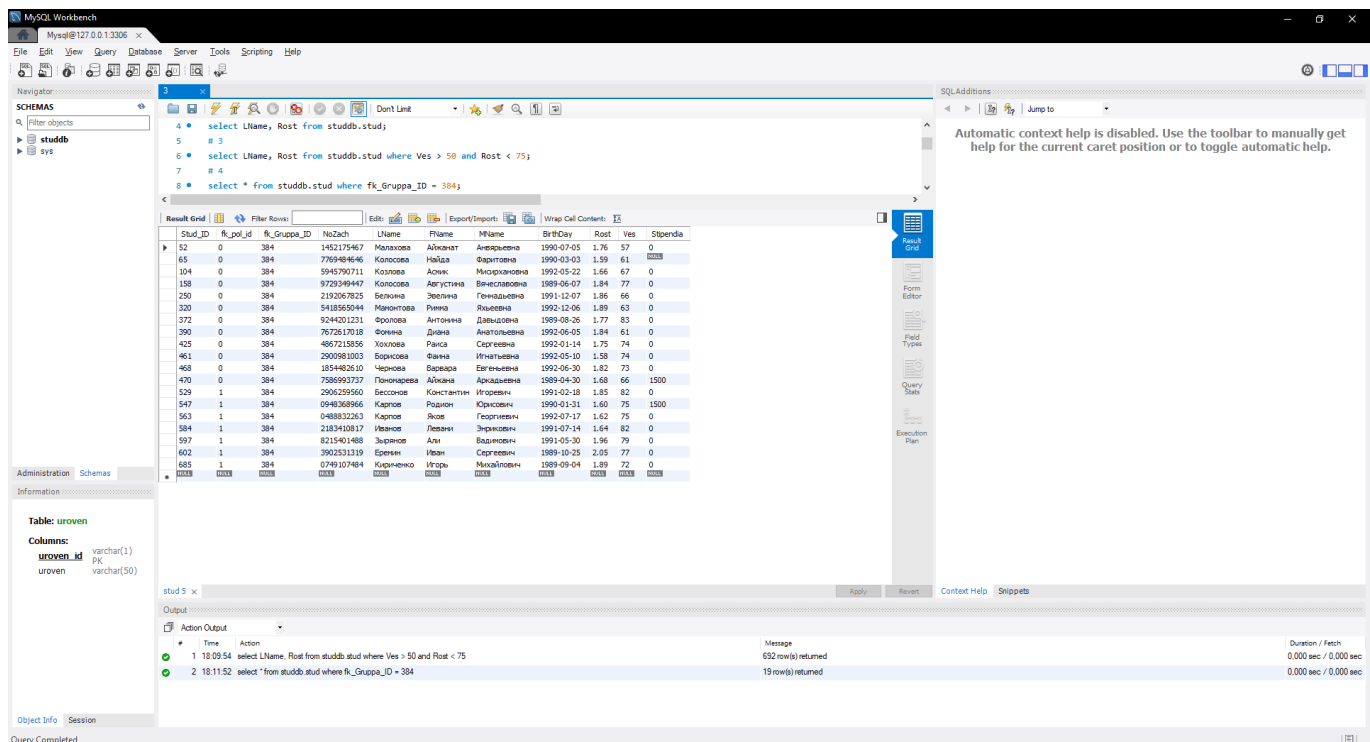
5.3 Вывести фамилию и рост всех студентов из таблицы STUD, у которых вес попадает в диапазон от 50 до 75 кг

```
|| select LName, Rost from studdb.stud where Ves > 50 and Rost < 75;
```

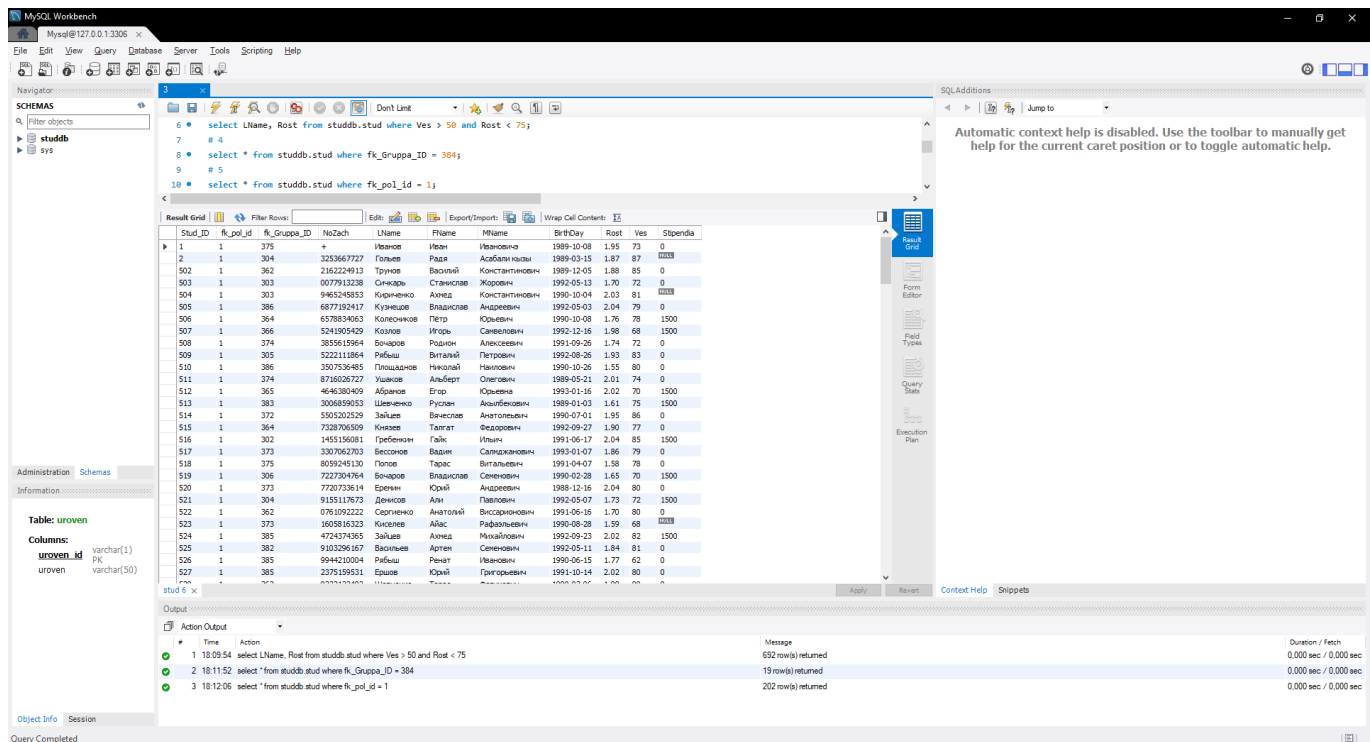
5.4 Вывести все данные о студентах группы 384 из таблицы STUD.

```
select * from studdb.stud where fk_Gruppa_ID = 384;
```



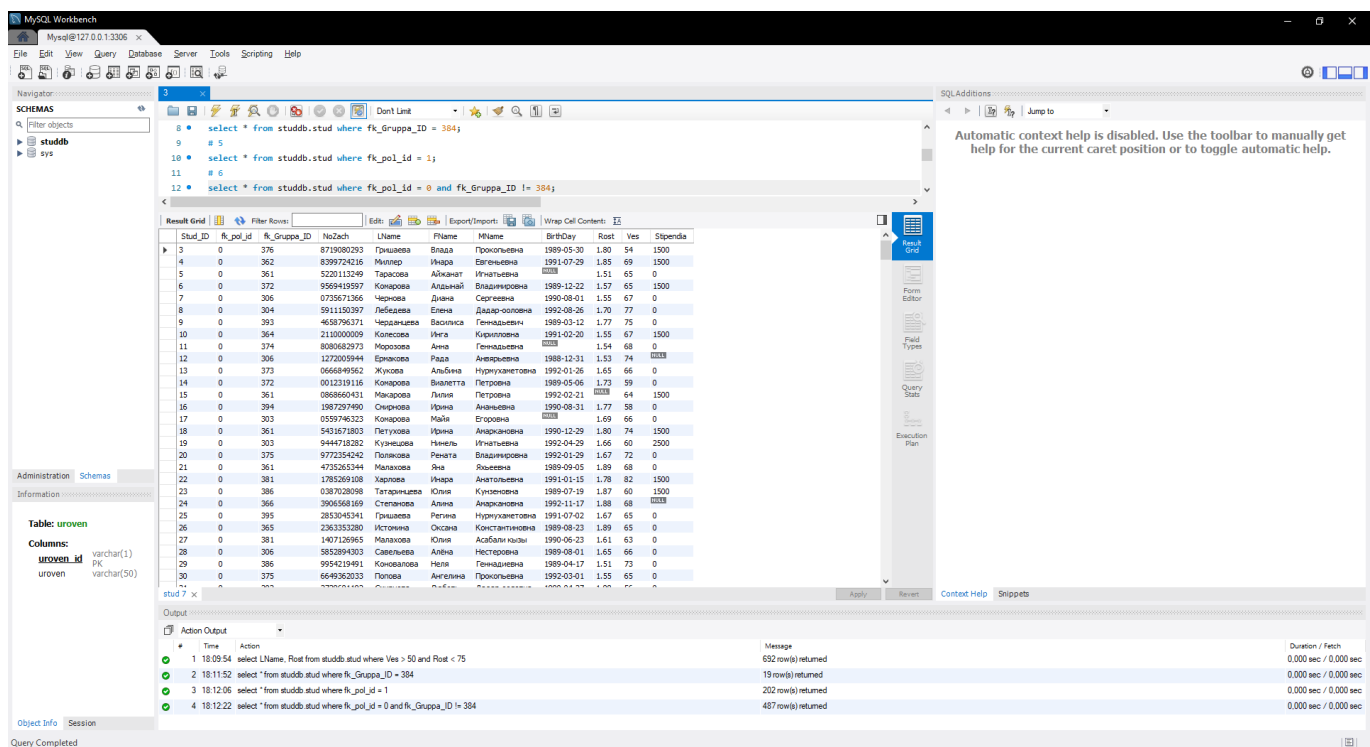
5.5 Вывести все данные о студентах мужского пола из таблицы STUD.

```
select * from studdb.stud where fk_pol_id = 1;
```



5.6 Вывести все данные о студентах женского пола из таблицы STUD, которые учатся не в 384 группе

```
select * from studdb.stud where fk_pol_id = 0 and fk_Gruppa_ID != 384;
```



5.7 Вывести все данные о студентах имя которых начинается на «а», или фамилия заканчивается на «ов» из таблицы STUD.

`select * from studdb.stud where FName like "A%" or LName like "%ов";`

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```
10 select * from studdb.stud where fk_pol_id = 1;
11 # 6
12 select * from studdb.stud where fk_pol_id = 0 and fk_Groups_ID != 384;
13 # 7
14 select * from studdb.stud where FName like "A%" or LName like "%ов";
```

The result grid displays the following columns: Stud_ID, fk_pol_id, fk_Groups_ID, NoZach, FName, LName, MName, BirthDay, Rost, Yes, Stipendia. The data shows students whose first name starts with 'A' or last name ends with 'ov'.

Stud_ID	fk_pol_id	fk_Groups_ID	NoZach	FName	LName	MName	BirthDay	Rost	Yes	Stipendia
1	1	375	4	Иванов	Иван	Иванович	1989-10-08	1.95	73	0
5	0	361	5220113249	Тарасова	Александр	Иванович	1991-11-11	1.51	65	0
6	0	372	9569419597	Комарова	Александр	Владимировна	1989-12-22	1.57	65	1500
11	0	374	8080482973	Морозова	Анна	Геннадьевна	1991-11-11	1.54	68	0
13	0	373	0666849562	Жукова	Альбина	Ирина Петровна	1992-01-26	1.65	66	0
24	0	366	3905056169	Степанова	Алена	Александровна	1992-11-17	1.88	68	1500
28	0	306	5852894303	Савельева	Алена	Нестерова	1989-08-01	1.65	66	0
30	0	375	6649362033	Попова	Ангелина	Проксимова	1992-03-01	1.55	65	0
44	0	366	1239547539	Татарничева	Антонина	Кирпичева	1989-05-12	1.72	88	0
49	0	366	6214535156	Смирнова	Антонина	Ивановна	1992-05-31	1.80	78	1500
52	0	384	1452175467	Манакова	Александр	Александровна	1990-07-05	1.76	57	0
60	0	372	4923806695	Шкапина	Алена	Ивановна	1990-11-28	1.83	59	0
69	0	395	9661774015	Манакова	Алексей	Александр	1988-12-20	1.66	73	0
71	0	381	1303878899	Зиничева	Ангелина	Сергеевна	1991-03-27	1.74	69	0
72	0	382	3758154461	Макарова	Александр	Захаровна	1990-08-14	1.73	65	1500
92	0	371	2150680208	Петрова	Августина	Александровна	1992-02-04	1.58	68	0
95	0	391	1539170365	Захарова	Антонина	Григорьевна	1990-10-14	1.64	67	0
98	0	303	4514536021	Ефременко	Альбина	Зотеевна	1991-01-26	1.54	50	1500
99	0	305	1566499029	Дмитриева	Алиса	Антонина	1990-07-02	1.60	74	1500
103	0	371	0343765031	Кузнецова	Анна	Рябенко	1989-05-20	1.62	64	0
104	0	384	5945790711	Колосова	Алексей	Михайлович	1992-05-22	1.66	67	0
111	0	366	8225423862	Прищепа	Андрей	Александрович	1991-07-17	1.65	50	0
115	0	375	1799654472	Скворцова	Ангелина	Геннадьевна	1990-08-12	1.80	75	0
116	0	371	8816927308	Зырянова	Алексей	Борисович	1990-08-08	1.67	59	0
118	0	383	3163424495	Панова	Алексей	Михайлович	1992-07-09	1.59	54	0
120	0	382	4638049717	Попович	Андрей	Борисович	1989-11-23	1.80	68	0
122	0	372	2415562104	Захарова	Альбина	Артёмовна	1991-07-24	1.59	70	0
123	0	382	8275202424	Иванова	Алена	Ивановна	1991-03-18	1.61	51	0

5.8 Вывести прописными буквами фамилию и имя студентов, у которых отчество начинается на «Ал».

`select lower(FName), lower(LName) from studdb.stud where MName like "Ал%";`

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

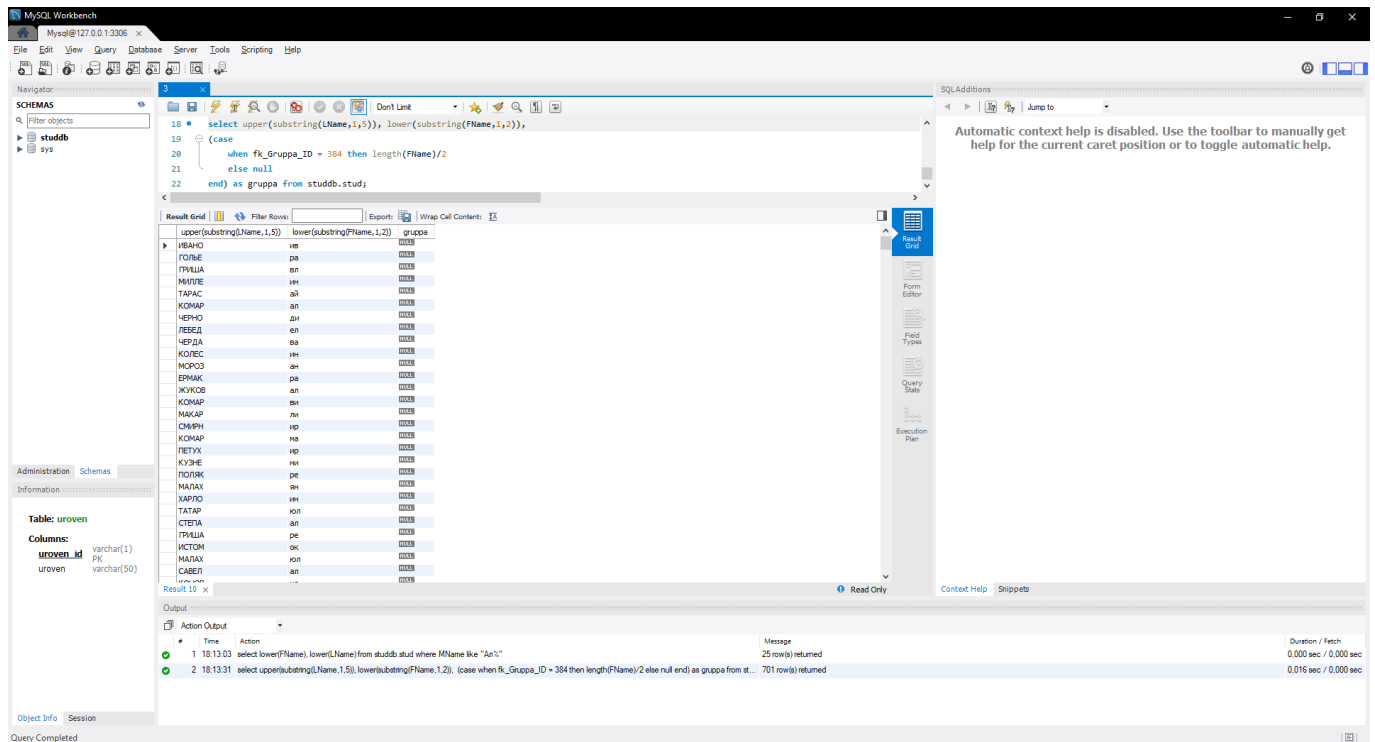
```
12 select * from studdb.stud where fk_pol_id = 0 and fk_Groups_ID != 384;
13 # 7
14 select * from studdb.stud where FName like "A%" or LName like "%ов";
15 # 8
16 select lower(FName), lower(LName) from studdb.stud where MName like "Ал%";
```

The result grid displays the following columns: lower(FName), lower(LName). The data shows students whose middle name starts with 'Al'.

lower(FName)	lower(LName)
rita	komarova
alina	smirnova
alexandra	stepanova
angelika	orlova
gulyaima	panchenko
sofiya	shkapina
lydia	zyryanova
tatyana	kolosnikova
tanaya	cherdancheva
infisa	fonina
sergey	khlova
nina	makarova
sergey	panchenko
angelika	efremenko
darya	okunova
arhanka	bukreeva
inessa	kuznetsova
rodion	borisov
nurgalyan	karlov
arman	kozlov
arstnyy	ploshadnov
arman	panin
ilya	onokov
arman	grebenkov
arman	sergichenko

5.9 Вывести прописными буквами первые пять букв фамилии, строчными – две буквы имени, количество букв в имени, тех студентов, которые учатся в 384 группе.

```
select upper(substring(LName,1,5)), lower(substring(FName,1,2)),  
(case  
  when fk_Gruppa_ID = 384 then length(FName)/2  
  else null  
end) as grупpa from studdb.stud;
```



6 Вывод о проделанной работе

В ходе данной работы были изучены основы создания базы данных, таблиц, ER-диаграм, подключение к БД на основе MySQL. Изучены основы SQL, базовые однотабличные запросы запросы.