**Министерство науки и высшего образования Российской Федерации**

Федеральное государственное автономное образовательное учреждение

высшего профессионального образования

**«НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ**

**ТОМСКИЙ ПОЛИТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ»**

Наименование школы: ИШИТР

Наименование отделения: ОИТ

Наименование направления: Программная инженерия

**Индивидуальное домашнее задание**

**по дисциплине: «Современные концепции организации баз данных»**

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**Цель работы**

1. Выбрать предметную область.

2. Создать модель в Oracle Data Modeler (логическую и реляционную модели).

3. Создать базу данных и заполнить данными.

4. Создать дополнительные объекта базы данных.

5. Создать отчёт по ИДЗ, который включает:

* модели, указанные выше;
* код DDL;
* код DML для вставки данных;
* уникальные индексы на все таблицы, в которых первичным ключом является “id”;
* триггеры и сиквенсы для формирования первичного ключа “id” для всех таблиц;
* 2 представления более чем из 2 таблиц.

**Логическая и реляционная модели**

На рисунке 1 представлена логическая модель в Oracle Data Modeler.

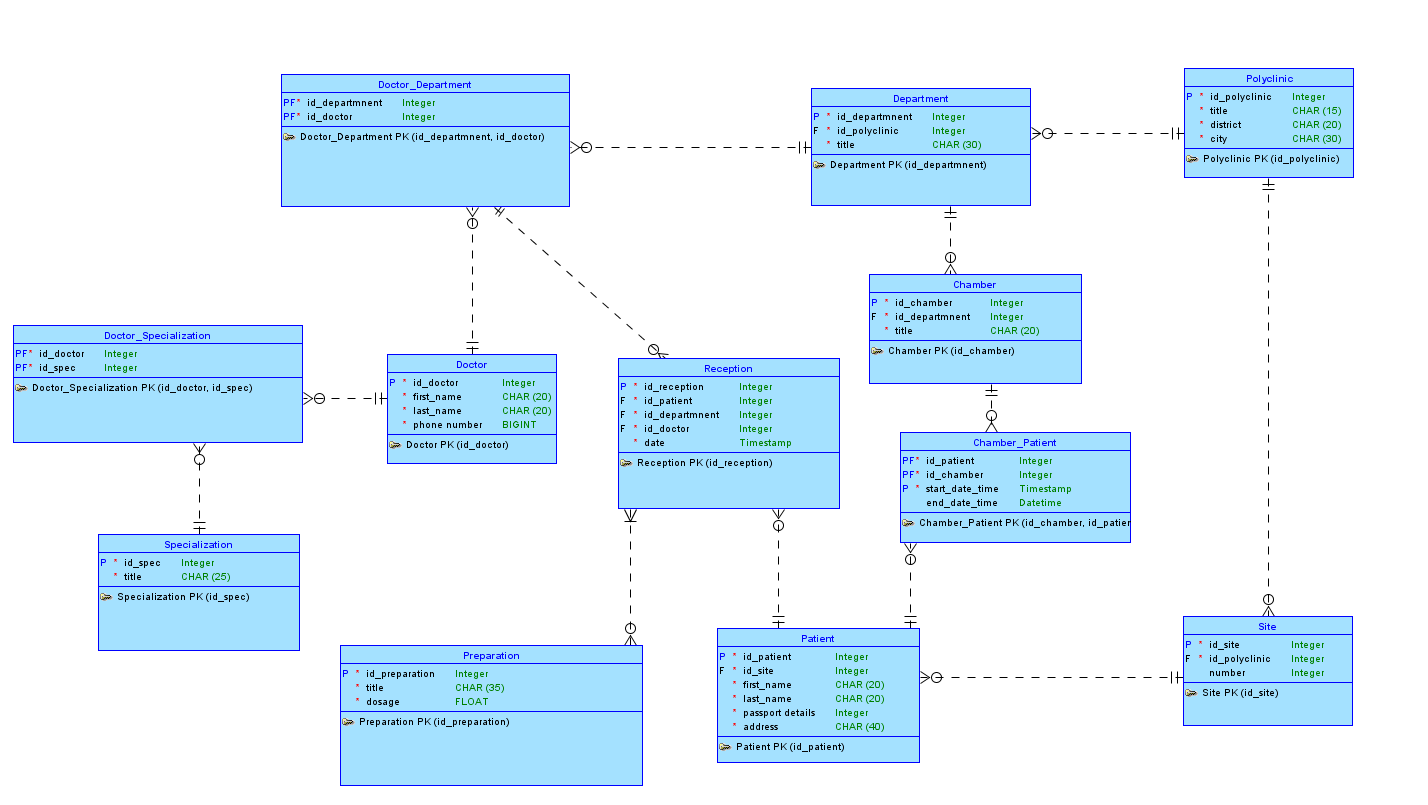


Рисунок 1 - Логическая модель

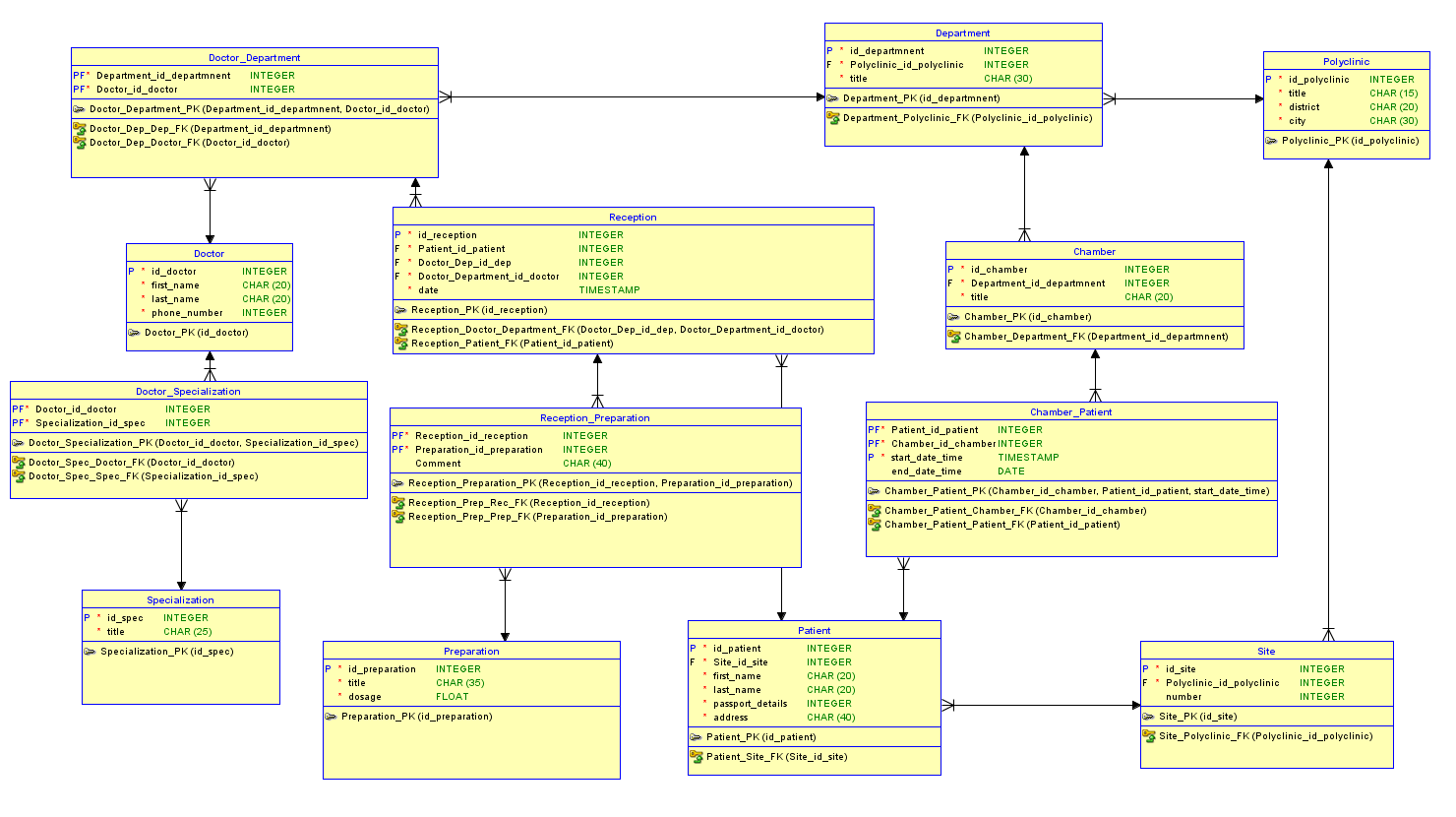


Рисунок 2 - Реляционная модель

**DDL – код**

SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";

START TRANSACTION;

SET time\_zone = "+00:00";

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40101 SET NAMES utf8mb4 \*/;

--

-- Database: `idz`

--

--

-- Table structure for table `chamber`

--

CREATE TABLE `chamber` (

`id\_chamber` int(11) NOT NULL,

`department\_id\_departmnent` int(11) NOT NULL,

`title` char(20) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `chamber`

--

DELIMITER $$

CREATE TRIGGER `id\_chamber\_ai` BEFORE INSERT ON `chamber` FOR EACH ROW BEGIN

SET

NEW.id\_chamber =

IF (ISNULL ((SELECT id\_chamber FROM chamber ORDER BY id\_chamber DESC LIMIT 0, 1)), 1,

(SELECT id\_chamber FROM chamber ORDER BY id\_chamber DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `chamber\_patient`

--

CREATE TABLE `chamber\_patient` (

`patient\_id\_patient` int(11) NOT NULL,

`chamber\_id\_chamber` int(11) NOT NULL,

`start\_date\_time` timestamp NOT NULL DEFAULT current\_timestamp() ON UPDATE current\_timestamp(),

`end\_date\_time` datetime DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Table structure for table `department`

--

CREATE TABLE `department` (

`id\_department` int(11) NOT NULL,

`polyclinic\_id\_polyclinic` int(11) NOT NULL,

`title` char(30) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `department`

--

DELIMITER $$

CREATE TRIGGER `id\_department\_ai` BEFORE INSERT ON `department` FOR EACH ROW BEGIN

SET

NEW.id\_department =

IF (ISNULL ((SELECT id\_department FROM department ORDER BY id\_department DESC LIMIT 0, 1)), 1,

(SELECT id\_department FROM department ORDER BY id\_department DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `doctor`

--

CREATE TABLE `doctor` (

`id\_doctor` int(11) NOT NULL,

`first\_name` char(20) NOT NULL,

`last\_name` char(20) NOT NULL,

`phone\_number` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `doctor`

--

DELIMITER $$

CREATE TRIGGER `id\_doctor\_ai` BEFORE INSERT ON `doctor` FOR EACH ROW BEGIN

SET

NEW.id\_doctor =

IF (ISNULL ((SELECT id\_doctor FROM doctor ORDER BY id\_doctor DESC LIMIT 0, 1)), 1,

(SELECT id\_doctor FROM doctor ORDER BY id\_doctor DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `doctor\_department`

--

CREATE TABLE `doctor\_department` (

`department\_id\_departmnent` int(11) NOT NULL,

`doctor\_id\_doctor` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Table structure for table `doctor\_specialization`

--

CREATE TABLE `doctor\_specialization` (

`doctor\_id\_doctor` int(11) NOT NULL,

`specialization\_id\_spec` int(11) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Table structure for table `patient`

--

CREATE TABLE `patient` (

`id\_patient` int(11) NOT NULL,

`site\_id\_site` int(11) NOT NULL,

`first\_name` char(20) NOT NULL,

`last\_name` char(20) NOT NULL,

`passport\_details` int(11) NOT NULL,

`address` char(40) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `patient`

--

DELIMITER $$

CREATE TRIGGER `id\_patient\_ai` BEFORE INSERT ON `patient` FOR EACH ROW BEGIN

SET

NEW.id\_patient =

IF (ISNULL ((SELECT id\_patient FROM id\_patient ORDER BY id\_patient DESC LIMIT 0, 1)), 1,

(SELECT id\_patient FROM patient ORDER BY id\_patient DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `polyclinic`

--

CREATE TABLE `polyclinic` (

`id\_polyclinic` int(11) NOT NULL,

`title` char(15) NOT NULL,

`district` char(20) NOT NULL,

`city` char(30) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `polyclinic`

--

DELIMITER $$

CREATE TRIGGER `id\_polyclinic\_ai` BEFORE INSERT ON `polyclinic` FOR EACH ROW BEGIN

SET

NEW.id\_polyclinic =

IF (ISNULL ((SELECT id\_polyclinic FROM polyclinic ORDER BY id\_polyclinic DESC LIMIT 0, 1)), 1,

(SELECT id\_polyclinic FROM polyclinic ORDER BY id\_polyclinic DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `preparation`

--

CREATE TABLE `preparation` (

`id\_preparation` int(11) NOT NULL,

`title` char(35) NOT NULL,

`dosage` float NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `preparation`

--

DELIMITER $$

CREATE TRIGGER `id\_preparation\_ai` BEFORE INSERT ON `preparation` FOR EACH ROW BEGIN

SET

NEW.id\_preparation =

IF (ISNULL ((SELECT id\_preparation FROM preparation ORDER BY id\_preparation DESC LIMIT 0, 1)), 1,

(SELECT id\_preparation FROM preparation ORDER BY id\_preparation DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `reception`

--

CREATE TABLE `reception` (

`id\_reception` int(11) NOT NULL,

`patient\_id\_patient` int(11) NOT NULL,

`doctor\_dep\_id\_dep` int(11) NOT NULL,

`doctor\_department\_id\_doctor` int(11) NOT NULL,

`date` timestamp NOT NULL DEFAULT current\_timestamp() ON UPDATE current\_timestamp()

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `reception`

--

DELIMITER $$

CREATE TRIGGER `id\_reception\_ai` BEFORE INSERT ON `reception` FOR EACH ROW BEGIN

SET

NEW.id\_reception =

IF (ISNULL ((SELECT id\_reception FROM reception ORDER BY id\_reception DESC LIMIT 0, 1)), 1,

(SELECT id\_reception FROM reception ORDER BY id\_reception DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `reception\_preparation`

--

CREATE TABLE `reception\_preparation` (

`reception\_id\_reception` int(11) NOT NULL,

`preparation\_id\_preparation` int(11) NOT NULL,

`Comment` char(40) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Table structure for table `site`

--

CREATE TABLE `site` (

`id\_site` int(11) NOT NULL,

`polyclinic\_id\_polyclinic` int(11) NOT NULL,

`number` int(11) DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `site`

--

DELIMITER $$

CREATE TRIGGER `id\_site\_ai` BEFORE INSERT ON `site` FOR EACH ROW BEGIN

SET

NEW.id\_site =

IF (ISNULL ((SELECT id\_site FROM site ORDER BY id\_site DESC LIMIT 0, 1)), 1,

(SELECT id\_site FROM site ORDER BY id\_site DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Table structure for table `specialization`

--

CREATE TABLE `specialization` (

`id\_spec` int(11) NOT NULL,

`title` char(25) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_general\_ci;

--

-- Triggers `specialization`

--

DELIMITER $$

CREATE TRIGGER `id\_specialization\_ai` BEFORE INSERT ON `specialization` FOR EACH ROW BEGIN

SET

NEW.id\_spec =

IF (ISNULL ((SELECT id\_spec FROM spec ORDER BY id\_spec DESC LIMIT 0, 1)), 1,

(SELECT ispec FROM spec ORDER BY id\_spec DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Indexes for dumped tables

--

--

-- Indexes for table `chamber`

--

ALTER TABLE `chamber`

ADD PRIMARY KEY (`id\_chamber`),

ADD KEY `chamber\_department\_fk` (`department\_id\_departmnent`);

--

-- Indexes for table `chamber\_patient`

--

ALTER TABLE `chamber\_patient`

ADD PRIMARY KEY (`chamber\_id\_chamber`,`patient\_id\_patient`,`start\_date\_time`),

ADD KEY `chamber\_patient\_patient\_fk` (`patient\_id\_patient`);

--

-- Indexes for table `department`

--

ALTER TABLE `department`

ADD PRIMARY KEY (`id\_department`),

ADD KEY `department\_polyclinic\_fk` (`polyclinic\_id\_polyclinic`);

--

-- Indexes for table `doctor`

--

ALTER TABLE `doctor`

ADD PRIMARY KEY (`id\_doctor`);

--

-- Indexes for table `doctor\_department`

--

ALTER TABLE `doctor\_department`

ADD PRIMARY KEY (`department\_id\_departmnent`,`doctor\_id\_doctor`),

ADD KEY `doctor\_dep\_doctor\_fk` (`doctor\_id\_doctor`);

--

-- Indexes for table `doctor\_specialization`

--

ALTER TABLE `doctor\_specialization`

ADD PRIMARY KEY (`doctor\_id\_doctor`,`specialization\_id\_spec`),

ADD KEY `doctor\_spec\_spec\_fk` (`specialization\_id\_spec`);

--

-- Indexes for table `patient`

--

ALTER TABLE `patient`

ADD PRIMARY KEY (`id\_patient`),

ADD KEY `patient\_site\_fk` (`site\_id\_site`);

--

-- Indexes for table `polyclinic`

--

ALTER TABLE `polyclinic`

ADD PRIMARY KEY (`id\_polyclinic`);

--

-- Indexes for table `preparation`

--

ALTER TABLE `preparation`

ADD PRIMARY KEY (`id\_preparation`);

--

-- Indexes for table `reception`

--

ALTER TABLE `reception`

ADD PRIMARY KEY (`id\_reception`),

ADD KEY `reception\_doctor\_department\_fk` (`doctor\_dep\_id\_dep`,`doctor\_department\_id\_doctor`),

ADD KEY `reception\_patient\_fk` (`patient\_id\_patient`);

--

-- Indexes for table `reception\_preparation`

--

ALTER TABLE `reception\_preparation`

ADD PRIMARY KEY (`reception\_id\_reception`,`preparation\_id\_preparation`),

ADD KEY `reception\_prep\_prep\_fk` (`preparation\_id\_preparation`);

--

-- Indexes for table `site`

--

ALTER TABLE `site`

ADD PRIMARY KEY (`id\_site`),

ADD KEY `site\_polyclinic\_fk` (`polyclinic\_id\_polyclinic`);

--

-- Indexes for table `specialization`

--

ALTER TABLE `specialization`

ADD PRIMARY KEY (`id\_spec`);

--

-- Constraints for dumped tables

--

--

-- Constraints for table `chamber`

--

ALTER TABLE `chamber`

ADD CONSTRAINT `chamber\_department\_fk` FOREIGN KEY (`department\_id\_departmnent`) REFERENCES `department` (`id\_department`);

--

-- Constraints for table `chamber\_patient`

--

ALTER TABLE `chamber\_patient`

ADD CONSTRAINT `chamber\_patient\_chamber\_fk` FOREIGN KEY (`chamber\_id\_chamber`) REFERENCES `chamber` (`id\_chamber`),

ADD CONSTRAINT `chamber\_patient\_patient\_fk` FOREIGN KEY (`patient\_id\_patient`) REFERENCES `patient` (`id\_patient`);

--

-- Constraints for table `department`

--

ALTER TABLE `department`

ADD CONSTRAINT `department\_polyclinic\_fk` FOREIGN KEY (`polyclinic\_id\_polyclinic`) REFERENCES `polyclinic` (`id\_polyclinic`);

--

-- Constraints for table `doctor\_department`

--

ALTER TABLE `doctor\_department`

ADD CONSTRAINT `doctor\_dep\_dep\_fk` FOREIGN KEY (`department\_id\_departmnent`) REFERENCES `department` (`id\_department`),

ADD CONSTRAINT `doctor\_dep\_doctor\_fk` FOREIGN KEY (`doctor\_id\_doctor`) REFERENCES `doctor` (`id\_doctor`);

--

-- Constraints for table `doctor\_specialization`

--

ALTER TABLE `doctor\_specialization`

ADD CONSTRAINT `doctor\_spec\_doctor\_fk` FOREIGN KEY (`doctor\_id\_doctor`) REFERENCES `doctor` (`id\_doctor`),

ADD CONSTRAINT `doctor\_spec\_spec\_fk` FOREIGN KEY (`specialization\_id\_spec`) REFERENCES `specialization` (`id\_spec`);

--

-- Constraints for table `patient`

--

ALTER TABLE `patient`

ADD CONSTRAINT `patient\_site\_fk` FOREIGN KEY (`site\_id\_site`) REFERENCES `site` (`id\_site`);

--

-- Constraints for table `reception`

--

ALTER TABLE `reception`

ADD CONSTRAINT `reception\_doctor\_department\_fk` FOREIGN KEY (`doctor\_dep\_id\_dep`,`doctor\_department\_id\_doctor`) REFERENCES `doctor\_department` (`department\_id\_departmnent`, `doctor\_id\_doctor`),

ADD CONSTRAINT `reception\_patient\_fk` FOREIGN KEY (`patient\_id\_patient`) REFERENCES `patient` (`id\_patient`);

--

-- Constraints for table `reception\_preparation`

--

ALTER TABLE `reception\_preparation`

ADD CONSTRAINT `reception\_prep\_prep\_fk` FOREIGN KEY (`preparation\_id\_preparation`) REFERENCES `preparation` (`id\_preparation`),

ADD CONSTRAINT `reception\_prep\_rec\_fk` FOREIGN KEY (`reception\_id\_reception`) REFERENCES `reception` (`id\_reception`);

--

-- Constraints for table `site`

--

ALTER TABLE `site`

ADD CONSTRAINT `site\_polyclinic\_fk` FOREIGN KEY (`polyclinic\_id\_polyclinic`) REFERENCES `polyclinic` (`id\_polyclinic`);

COMMIT;

**DML – код**

SET SQL\_MODE = "NO\_AUTO\_VALUE\_ON\_ZERO";

START TRANSACTION;

SET time\_zone = "+00:00";

/\*!40101 SET @OLD\_CHARACTER\_SET\_CLIENT=@@CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET @OLD\_CHARACTER\_SET\_RESULTS=@@CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET @OLD\_COLLATION\_CONNECTION=@@COLLATION\_CONNECTION \*/;

/\*!40101 SET NAMES utf8mb4 \*/;

--

-- Database: `idz`

--

--

-- Dumping data for table `chamber`

--

INSERT INTO `chamber` (`id\_chamber`, `department\_id\_departmnent`, `title`) VALUES

(23743390, 7843278, 'Бюджет'),

(23744590, 6843279, 'Комфорт'),

(23748187, 6843280, 'Бюджет'),

(23748290, 7843280, 'Комфорт'),

(23748292, 6843279, 'Бюджет'),

(23748397, 6843281, 'Бюджет'),

(23748453, 6843282, 'Комфорт'),

(23748476, 7843281, 'Комфорт'),

(23748554, 7843282, 'Бюджет'),

(23765290, 6843278, 'Комфорт');

--

-- Dumping data for table `chamber\_patient`

--

INSERT INTO `chamber\_patient` (`patient\_id\_patient`, `chamber\_id\_chamber`, `start\_date\_time`, `end\_date\_time`) VALUES

(623483, 23743390, '2022-12-22 22:26:38', '2022-12-24 05:26:29'),

(905944, 23744590, '2022-12-22 22:28:07', '2023-12-14 05:26:48'),

(268947, 23748187, '2022-12-22 22:28:07', '2023-12-05 05:26:48'),

(123483, 23748290, '2022-12-22 22:28:07', '2022-12-29 05:26:48'),

(238944, 23748292, '2022-12-22 22:28:07', '2022-12-27 05:26:48'),

(256947, 23748397, '2022-12-22 22:28:07', '2025-01-16 05:26:48'),

(739947, 23748453, '2022-12-22 22:28:07', '2023-02-09 05:26:48'),

(238947, 23748476, '2022-12-22 22:28:07', '2023-02-16 05:26:48'),

(239947, 23748554, '2022-12-22 22:28:07', '2023-04-19 05:26:48'),

(738947, 23765290, '2022-12-22 22:28:07', '2023-03-16 05:26:48');

--

-- Dumping data for table `department`

--

INSERT INTO `department` (`id\_department`, `polyclinic\_id\_polyclinic`, `title`) VALUES

(6843278, 546470, 'Хирургия'),

(6843279, 546464, 'Терапевтия'),

(6843280, 546456, 'Отоларингология'),

(6843281, 546468, 'Офтальмология'),

(6843282, 546457, 'Неврология'),

(7843278, 546470, 'Хирургия'),

(7843279, 546464, 'Терапевтия'),

(7843280, 546456, 'Отоларингология'),

(7843281, 546468, 'Офтальмология'),

(7843282, 546457, 'Неврология');

--

-- Dumping data for table `doctor`

--

INSERT INTO `doctor` (`id\_doctor`, `first\_name`, `last\_name`, `phone\_number`) VALUES

(53675, 'Александр', 'Дзидзария', 999379893),

(53676, 'Андрей', 'Емельянов', 999379894),

(53677, 'Сергей', 'Савельев', 999379895),

(53678, 'Семён', 'Тереньтьев', 999379896),

(53679, 'Пётр', 'Иванов', 999379897);

--

-- Dumping data for table `doctor\_department`

--

INSERT INTO `doctor\_department` (`department\_id\_departmnent`, `doctor\_id\_doctor`) VALUES

(6843278, 53677),

(6843279, 53676),

(6843280, 53675),

(6843281, 53679),

(6843282, 53675),

(7843278, 53678),

(7843279, 53679),

(7843280, 53676),

(7843281, 53678),

(7843282, 53677);

--

-- Dumping data for table `doctor\_specialization`

--

INSERT INTO `doctor\_specialization` (`doctor\_id\_doctor`, `specialization\_id\_spec`) VALUES

(53675, 8478354),

(53675, 8478357),

(53676, 8478354),

(53676, 8478359),

(53677, 8374674),

(53677, 8478357),

(53677, 8478394),

(53678, 8374674),

(53678, 8478354),

(53679, 8478394);

--

-- Dumping data for table `patient`

--

INSERT INTO `patient` (`id\_patient`, `site\_id\_site`, `first\_name`, `last\_name`, `passport\_details`, `address`) VALUES

(123483, 34342, 'Камила', 'Серпухова', 128373178, 'улица Костромская'),

(238944, 92446, 'Людмила', 'Солнцева', 128373878, 'улица Новая Москва'),

(238947, 92445, 'Екатерина', 'Кальева', 128373179, 'проспект Старый'),

(239947, 54512, 'Григорий', 'Шпак', 128373378, 'проспект Сергия'),

(256947, 92445, 'Екатерина', 'Кальева', 128373179, 'проспект Старый'),

(268947, 84342, 'Светлана', 'Кабалова', 128373478, 'улица Рассветная'),

(623483, 34342, 'Камила', 'Серпухова', 128373178, 'улица Костромская'),

(738947, 84342, 'Светлана', 'Кабалова', 128373478, 'улица Рассветная'),

(739947, 54512, 'Григорий', 'Шпак', 128373378, 'проспект Сергия'),

(905944, 92446, 'Людмила', 'Солнцева', 128373878, 'улица Новая Москва');

--

-- Dumping data for table `polyclinic`

--

INSERT INTO `polyclinic` (`id\_polyclinic`, `title`, `district`, `city`) VALUES

(546456, 'Детская', 'Советский', 'Новосибирск'),

(546457, 'Томлад', 'Центральный', 'Москва'),

(546464, 'Взрослая', 'Кировский', 'Томск'),

(546468, 'Добрышевская', 'Октябрьский', 'Омск'),

(546470, 'Областная', 'Ленинский', 'Казань');

--

-- Dumping data for table `preparation`

--

INSERT INTO `preparation` (`id\_preparation`, `title`, `dosage`) VALUES

(754382, 'Мирамистин', 75),

(754384, 'Сироп солодки', 90),

(754387, 'Цитрамон', 10),

(848323, 'Авамикс', 80),

(848329, 'Кардионат', 100);

--

-- Dumping data for table `reception`

--

INSERT INTO `reception` (`id\_reception`, `patient\_id\_patient`, `doctor\_dep\_id\_dep`, `doctor\_department\_id\_doctor`, `date`) VALUES

(124, 738947, 7843278, 53678, '2022-12-22 23:20:20'),

(134, 238944, 7843281, 53678, '2022-12-22 23:20:20'),

(234, 739947, 6843282, 53675, '2022-12-22 23:20:20'),

(265, 623483, 7843280, 53676, '2022-12-22 23:20:20'),co

(345, 268947, 6843281, 53679, '2022-12-22 23:20:20'),

(432, 238947, 7843279, 53679, '2022-12-22 23:20:20'),

(567, 238947, 6843280, 53675, '2022-12-22 23:20:20'),

(669, 623483, 6843278, 53677, '2022-12-22 23:16:42'),

(759, 239947, 6843279, 53676, '2022-12-22 23:20:20'),

(789, 905944, 7843282, 53677, '2022-12-22 23:20:20');

--

-- Dumping data for table `reception\_preparation`

--

INSERT INTO `reception\_preparation` (`reception\_id\_reception`, `preparation\_id\_preparation`, `Comment`) VALUES

(124, 754382, 'Принимать натощак'),

(265, 848329, 'По 2 таблетки в день'),

(567, 754384, 'Запивать вместе с едой'),

(759, 848323, 'По 1 дозе в каждый носовой проход'),

(789, 754387, 'Не принимать с алкоголем');

--

-- Dumping data for table `site`

--

INSERT INTO `site` (`id\_site`, `polyclinic\_id\_polyclinic`, `number`) VALUES

(14512, 546456, 3),

(27782, 546464, 2),

(32445, 546468, 4),

(34342, 546457, 5),

(36723, 546470, 1),

(46723, 546470, 1),

(54512, 546456, 3),

(84342, 546457, 5),

(92445, 546468, 4),

(92446, 546457, 7);

--

-- Dumping data for table `specialization`

--

INSERT INTO `specialization` (`id\_spec`, `title`) VALUES

(8374674, 'Хирург'),

(8478354, 'Терапевт'),

(8478357, 'Невролог'),

(8478359, 'Отоларинголог'),

(8478394, 'Офтальмолог');

COMMIT;

/\*!40101 SET CHARACTER\_SET\_CLIENT=@OLD\_CHARACTER\_SET\_CLIENT \*/;

/\*!40101 SET CHARACTER\_SET\_RESULTS=@OLD\_CHARACTER\_SET\_RESULTS \*/;

/\*!40101 SET COLLATION\_CONNECTION=@OLD\_COLLATION\_CONNECTION \*/;

**Индексация**

--

-- Indexes for dumped tables

--

--

-- Indexes for table `chamber`

--

ALTER TABLE `chamber`

ADD PRIMARY KEY (`id\_chamber`),

ADD KEY `chamber\_department\_fk` (`department\_id\_departmnent`);

--

-- Indexes for table `chamber\_patient`

--

ALTER TABLE `chamber\_patient`

ADD PRIMARY KEY (`chamber\_id\_chamber`,`patient\_id\_patient`,`start\_date\_time`),

ADD KEY `chamber\_patient\_patient\_fk` (`patient\_id\_patient`);

--

-- Indexes for table `department`

--

ALTER TABLE `department`

ADD PRIMARY KEY (`id\_department`),

ADD KEY `department\_polyclinic\_fk` (`polyclinic\_id\_polyclinic`);

--

-- Indexes for table `doctor`

--

ALTER TABLE `doctor`

ADD PRIMARY KEY (`id\_doctor`);

--

-- Indexes for table `doctor\_department`

--

ALTER TABLE `doctor\_department`

ADD PRIMARY KEY (`department\_id\_departmnent`,`doctor\_id\_doctor`),

ADD KEY `doctor\_dep\_doctor\_fk` (`doctor\_id\_doctor`);

--

-- Indexes for table `doctor\_specialization`

--

ALTER TABLE `doctor\_specialization`

ADD PRIMARY KEY (`doctor\_id\_doctor`,`specialization\_id\_spec`),

ADD KEY `doctor\_spec\_spec\_fk` (`specialization\_id\_spec`);

--

-- Indexes for table `patient`

--

ALTER TABLE `patient`

ADD PRIMARY KEY (`id\_patient`),

ADD KEY `patient\_site\_fk` (`site\_id\_site`);

--

-- Indexes for table `polyclinic`

--

ALTER TABLE `polyclinic`

ADD PRIMARY KEY (`id\_polyclinic`);

--

-- Indexes for table `preparation`

--

ALTER TABLE `preparation`

ADD PRIMARY KEY (`id\_preparation`);

--

-- Indexes for table `reception`

--

ALTER TABLE `reception`

ADD PRIMARY KEY (`id\_reception`),

ADD KEY `reception\_doctor\_department\_fk` (`doctor\_dep\_id\_dep`,`doctor\_department\_id\_doctor`),

ADD KEY `reception\_patient\_fk` (`patient\_id\_patient`);

--

-- Indexes for table `reception\_preparation`

--

ALTER TABLE `reception\_preparation`

ADD PRIMARY KEY (`reception\_id\_reception`,`preparation\_id\_preparation`),

ADD KEY `reception\_prep\_prep\_fk` (`preparation\_id\_preparation`);

--

-- Indexes for table `site`

--

ALTER TABLE `site`

ADD PRIMARY KEY (`id\_site`),

ADD KEY `site\_polyclinic\_fk` (`polyclinic\_id\_polyclinic`);

--

-- Indexes for table `specialization`

--

ALTER TABLE `specialization`

ADD PRIMARY KEY (`id\_spec`);

**Добавление автоинкремента**

--

-- Triggers `chamber`

--

DELIMITER $$

CREATE TRIGGER `id\_chamber\_ai` BEFORE INSERT ON `chamber` FOR EACH ROW BEGIN

SET

NEW.id\_chamber =

IF (ISNULL ((SELECT id\_chamber FROM chamber ORDER BY id\_chamber DESC LIMIT 0, 1)), 1,

(SELECT id\_chamber FROM chamber ORDER BY id\_chamber DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `department`

--

DELIMITER $$

CREATE TRIGGER `id\_department\_ai` BEFORE INSERT ON `department` FOR EACH ROW BEGIN

SET

NEW.id\_department =

IF (ISNULL ((SELECT id\_department FROM department ORDER BY id\_department DESC LIMIT 0, 1)), 1,

(SELECT id\_department FROM department ORDER BY id\_department DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `doctor`

--

DELIMITER $$

CREATE TRIGGER `id\_doctor\_ai` BEFORE INSERT ON `doctor` FOR EACH ROW BEGIN

SET

NEW.id\_doctor =

IF (ISNULL ((SELECT id\_doctor FROM doctor ORDER BY id\_doctor DESC LIMIT 0, 1)), 1,

(SELECT id\_doctor FROM doctor ORDER BY id\_doctor DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `patient`

--

DELIMITER $$

CREATE TRIGGER `id\_patient\_ai` BEFORE INSERT ON `patient` FOR EACH ROW BEGIN

SET

NEW.id\_patient =

IF (ISNULL ((SELECT id\_patient FROM id\_patient ORDER BY id\_patient DESC LIMIT 0, 1)), 1,

(SELECT id\_patient FROM patient ORDER BY id\_patient DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `polyclinic`

--

DELIMITER $$

CREATE TRIGGER `id\_polyclinic\_ai` BEFORE INSERT ON `polyclinic` FOR EACH ROW BEGIN

SET

NEW.id\_polyclinic =

IF (ISNULL ((SELECT id\_polyclinic FROM polyclinic ORDER BY id\_polyclinic DESC LIMIT 0, 1)), 1,

(SELECT id\_polyclinic FROM polyclinic ORDER BY id\_polyclinic DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `preparation`

--

DELIMITER $$

CREATE TRIGGER `id\_preparation\_ai` BEFORE INSERT ON `preparation` FOR EACH ROW BEGIN

SET

NEW.id\_preparation =

IF (ISNULL ((SELECT id\_preparation FROM preparation ORDER BY id\_preparation DESC LIMIT 0, 1)), 1,

(SELECT id\_preparation FROM preparation ORDER BY id\_preparation DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `reception`

--

DELIMITER $$

CREATE TRIGGER `id\_reception\_ai` BEFORE INSERT ON `reception` FOR EACH ROW BEGIN

SET

NEW.id\_reception =

IF (ISNULL ((SELECT id\_reception FROM reception ORDER BY id\_reception DESC LIMIT 0, 1)), 1,

(SELECT id\_reception FROM reception ORDER BY id\_reception DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `site`

--

DELIMITER $$

CREATE TRIGGER `id\_site\_ai` BEFORE INSERT ON `site` FOR EACH ROW BEGIN

SET

NEW.id\_site =

IF (ISNULL ((SELECT id\_site FROM site ORDER BY id\_site DESC LIMIT 0, 1)), 1,

(SELECT id\_site FROM site ORDER BY id\_site DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

--

-- Triggers `specialization`

--

DELIMITER $$

CREATE TRIGGER `id\_specialization\_ai` BEFORE INSERT ON `specialization` FOR EACH ROW BEGIN

SET

NEW.id\_spec =

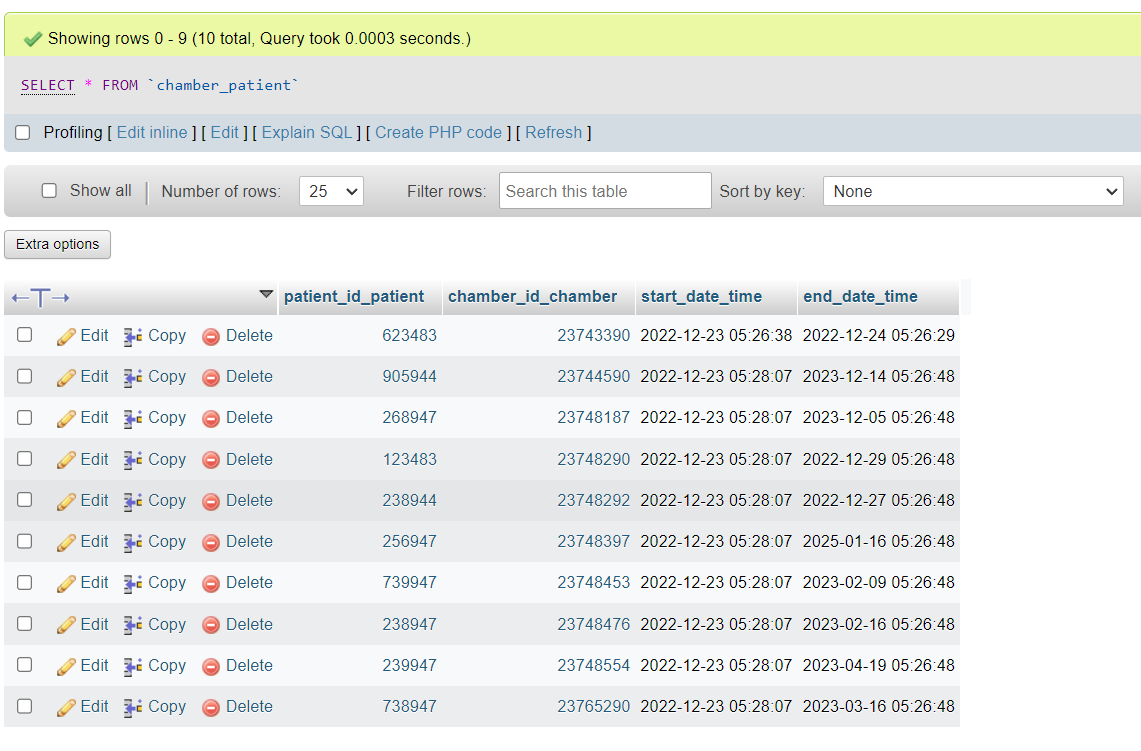
IF (ISNULL ((SELECT id\_spec FROM spec ORDER BY id\_spec DESC LIMIT 0, 1)), 1,

(SELECT ispec FROM spec ORDER BY id\_spec DESC LIMIT 0, 1) + 1);

END

$$

DELIMITER ;

Представление палаты и пациента

Представление доктора и отделения

