#1

CREATE table `minions`(

`id` int primary key auto\_increment,

`name` varchar(45) not null,

`age` int

);

create table `towns`(

town\_id int primary key auto\_increment,

`name` varchar(20) not null

);

#2

alter table minions

add column `town\_id` int not null;

alter table minions

add constraint fk\_minions\_towns foreign key (`town\_id`) references towns (`id`);

#3

insert into towns (id,name) values

(1,'Sofia'),

(2,'Plovdiv'),

(3,'Varna');

insert into minions(id,name,age,town\_id) values

(1,'Kevin',22,1),

(2,'Bob',15,3),

(3,'Steward',NULL,2);

#4

truncate minions;

#5

drop table minions;

drop table towns;

#6

CREATE TABLE `people` (

`id` INT NOT NULL AUTO\_INCREMENT,

`name` VARCHAR(45) NOT NULL,

`picture` BLOB NULL,

`height` DECIMAL(2,2) NULL,

`weight` DECIMAL(2,2) NULL,

`gender` VARCHAR(45) NOT NULL,

`birthdate` DATE NOT NULL,

`biography` VARCHAR(45) NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `id\_UNIQUE` (`id` ASC) VISIBLE);

INSERT INTO `people` (`name`, `gender`, `birthdate`, `biography`) VALUES ('fwgw', 'f', '1980-01-01', 'fwfwe');

INSERT INTO `people` (`name`, `gender`, `birthdate`, `biography`) VALUES ('fwfwwe', 'f', '1980-01-01', 'fwwfwe');

INSERT INTO `people` (`name`, `gender`, `birthdate`, `biography`) VALUES ('vewve', 'f', '1980-01-01', 'vgwgvw');

INSERT INTO `people` (`name`, `gender`, `birthdate`, `biography`) VALUES ('cwfw', 'f', '1970-01-01', 've');

INSERT INTO `people` (`name`, `gender`, `birthdate`, `biography`) VALUES ('r12r12', 'f', '1960-01-01', 'vw');

#11

CREATE TABLE `directors` (

`id` INT NOT NULL AUTO\_INCREMENT,

`director\_name` VARCHAR(50) NOT NULL,

`notes` VARCHAR(4000),

PRIMARY KEY(`id`));

INSERT INTO `directors` (`id`, `director\_name`) VALUES (1, 'Adam');

INSERT INTO `directors` (`id`, `director\_name`) VALUES (2, 'Adam');

INSERT INTO `directors` (`id`, `director\_name`) VALUES (3, 'Adam');

INSERT INTO `directors` (`id`, `director\_name`) VALUES (4, 'Adam');

INSERT INTO `directors` (`id`, `director\_name`) VALUES (5, 'Adam');

CREATE TABLE `genres` (

`id` INT NOT NULL AUTO\_INCREMENT,

`genre\_name` VARCHAR(50) NOT NULL,

`notes` VARCHAR(4000),

PRIMARY KEY(`id`));

INSERT INTO `genres` (`id`, `genre\_name`) VALUES (1, 'Horror');

INSERT INTO `genres` (`id`, `genre\_name`) VALUES (2, 'Horror');

INSERT INTO `genres` (`id`, `genre\_name`) VALUES (3, 'Horror');

INSERT INTO `genres` (`id`, `genre\_name`) VALUES (4, 'Horror');

INSERT INTO `genres` (`id`, `genre\_name`) VALUES (5, 'Horror');

CREATE TABLE `categories` (

`id` INT NOT NULL AUTO\_INCREMENT,

`category\_name` VARCHAR(50) NOT NULL,

`notes` VARCHAR(4000),

PRIMARY KEY(`id`));

INSERT INTO `categories` (`id`, `category\_name`) VALUES (1, 'Family');

INSERT INTO `categories` (`id`, `category\_name`) VALUES (2, 'Family');

INSERT INTO `categories` (`id`, `category\_name`) VALUES (3, 'Family');

INSERT INTO `categories` (`id`, `category\_name`) VALUES (4, 'Family');

INSERT INTO `categories` (`id`, `category\_name`) VALUES (5, 'Family');

CREATE TABLE `movies` (

`id` INT NOT NULL AUTO\_INCREMENT,

`title` VARCHAR(50) NOT NULL,

`director\_id` INT NOT NULL,

`copyright\_year` DATE NOT NULL,

`length` DECIMAL(2),

`genre\_id` INT NOT NULL,

`category\_id` INT NOT NULL,

`rating` INT,

`notes` VARCHAR(4000),

PRIMARY KEY(`id`));

INSERT INTO `movies` (`id`, `title`, `director\_id`, `copyright\_year`, `genre\_id`, `category\_id`)

VALUES (1, 'Rocky', 1, '1992/01/01', 1, 1);

INSERT INTO `movies` (`id`, `title`, `director\_id`, `copyright\_year`, `genre\_id`, `category\_id`)

VALUES (2, 'Rocky', 1, '1992/01/01', 1, 1);

INSERT INTO `movies` (`id`, `title`, `director\_id`, `copyright\_year`, `genre\_id`, `category\_id`)

VALUES (3, 'Rocky', 1, '1992/01/01', 1, 1);

INSERT INTO `movies` (`id`, `title`, `director\_id`, `copyright\_year`, `genre\_id`, `category\_id`)

VALUES (4, 'Rocky', 1, '1992/01/01', 1, 1);

INSERT INTO `movies` (`id`, `title`, `director\_id`, `copyright\_year`, `genre\_id`, `category\_id`)

VALUES (5, 'Rocky', 1, '1992/01/01', 1, 1);

#14

insert into `towns`

values

(1,'Sofia'),

(2,'Plovdiv'),

(3,'Varna'),

(4,'Burgas');

insert into `departments`

values

(1,'Engineering'),

(2,'Sales'),

(3,'Marketing'),

(4,'Software Development'),

(5,'Quality Assurance');

insert into `employees` (`id`,`first\_name`,`middle\_name`,`last\_name`,`job\_title`,`department\_id`,`hire\_date`,

`salary`)

values

(1,'Ivan', 'Ivanov','Ivanov', '.NET Developer', 4,2013-02-01,3500.00),

(2,'Petar', 'Petrov','Petrov', 'Software engineer', 1,2004-03-02,4000.00),

(3,'Maria', 'Petrova','Ivanova', 'Intern', 5,2016-08-28,525,25),

(4,'Georgi', 'Terziev','Ivanov', 'CEO', 2,2007-12-09,3000.00),

(5,'Petar', 'Pan','Pan', 'Intern', 3,2016-08-28, 599,88);

#15

select \* from `towns`;

select \* from `departments`;

select \* from `employees`;

#16

select \* from `towns`

order by `name`;

select \* from `departments`

order by `name`;

select \* from `employees`

order by `salary` desc;

#17

select `name` from `towns`

order by `name`;

select `name` from `departments`

order by `name`;

select `first\_name`, `last\_name`, `job\_title`, `salary` from `employees`

order by `salary` desc;