Задачи

1. Создать таблицу employees;

employee_id целое число первичный ключ автоинкремент старт = 100,
fname строка не null,
last_name строка не null,
email строка не null,
phone строка не null

Решение:

```
create table employees (
employee_id integer primary key auto_increment,
fname varchar (128) not null,
last_name varchar (128) not null,
email varchar (128) not null,
phone varchar (128) not null
);
```

2. Ой, забыли про зарплату)) Добавить поле salary numeric(9, 2),

Решение:

```
alter table employees
add salary numeric (9,2);
```

3. Ойййй, нет, зарплата должна быть целым числом. Изменить тип salary на integer.

Решение:

```
alter table employees
modify column salary integer;
```

4. Переименовать поле name на first_name

Решение:

```
alter table employees
change fname first_name varchar(128);
```

5. Удалить поле phone

Решение:

```
alter table employees
drop column phone;
```

6. Добавить поле department строка не null

Решение:

```
alter table employees
add department varchar (128) not null;
```

7. Заполнить таблицу (employees.txt)

Решение:

```
insert into employees(first_name, last_name, email, salary, department) values("Steven","King", "SKING", 24000, "Sales");
insert into employees(first_name, last_name, email, salary, department) values("Neena" , "Kochhar" , "NKOCHHAR" , 17000 , "Sales");
insert into employees(first_name, last_name, email, salary, department) values("Lex" , "De Haan" , "LDEHAAN" , 17000 , "Sales");
insert into employees(first_name, last_name, email, salary, department) values("Alexander" , "Hunold" , "AHUNOLD" , 9000 , "Finance");
insert into employees(first_name, last_name, email, salary, department) values("Bruce" , "Ernst" , "BERNST" , 6000 , "Finance");
insert into employees(first_name, last_name, email, salary, department) values("Valli" , "Pataballa" , "VPATABAL" , 4800 , "Finance");
insert into employees(first_name, last_name, email, salary, department) values("Diana" , "Lorentz" , "DIANALO" , 8800 , "Finance");
insert into employees(first_name, last_name, email, salary, department) values("Nancy" , "Greenberg" , "NGREENBE" , 12008 , "Shipping");
insert into employees(first_name, last_name, email, salary, department) values("Daniel" , "Faviet" , "DFAVIET" , 9000 , "Shipping");
insert into employees(first_name, last_name, email, salary, department) values("Jose Manuel" , "Urman" , "JMURMAN" , 7800 , "Shipping");
insert into employees(first_name, last_name, email, salary, department) values("Luis" , "Popp" , "LPOPP" , 6900 , "Shipping");
insert into employees(first_name, last_name, email, salary, department) values("Den" , "Raphaely" , "DRAPHEAL" , 11000 , "Marketing");
insert into employees(first_name, last_name, email, salary, department) values("Alexander" , "Khoo" , "AKHOO" , 3100 , "Marketing");
insert into employees(first_name, last_name, email, salary, department) values("Shelli" , "Baida" , "SBAIDA" , 2900 , "Marketing");
insert into employees(first_name, last_name, email, salary, department) values("Sigal" , "Tobias" , "STOBIAS" , 2800 , "Marketing");
insert into employees(first_name, last_name, email, salary, department) values("Matthew" , "Weiss" , "MWEISS" , 8000 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Adam" , "Fripp" , "AFRIPP" , 8200 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Payam" , "Kaufling" , "PKAUFLIN" , 7900 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Shanta" , "Vollman" , "SVOLLMAN" , 6500 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Kevin" , "Mourgos" , "KMOURGOS" , 5800 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Julia" , "Nayer" , "JNAYER" , 3200 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Adam" , "Markle" , "SMARKLE" , 2200 , "Human Resources");
```

```
insert into employees(first_name, last_name, email, salary, department) values("Laura" , "Bissot" , "LBISSOT" , 3300 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Mozhe" , "Atkinson" , "MATKINSO" , 2800 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Joshua" , "Patel" , "JPATEL" , 2500 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Trenna" , "Rajs" , "TRAJS" , 3500 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("John" , "Russell" , "JRUSSEL" , 14000 , "IT");
insert into employees(first_name, last_name, email, salary, department) values("Karen" , "Partners" , "KPARTNER" , 13500 , "IT");
insert into employees(first_name, last_name, email, salary, department) values("Alberto" , "Errazuriz" , "AERRAZUR" , 12000 , "IT");
insert into employees(first_name, last_name, email, salary, department) values("Gerald" , "Cambrault" , "GCAMBRAU" , 11000 , "IT");
insert into employees(first_name, last_name, email, salary, department) values("Eleni" , "Zlotkey" , "EZLOTKEY" , 10500 , "IT");
insert into employees(first_name, last_name, email, salary, department) values("Adam" , "Vargas" , "PVARGAS" , 2500 , "Human Resources");
insert into employees(first_name, last_name, email, salary, department) values("Laura" , "Errazuriz" , "AERRAZUR" , 12000 , "IT");
```

8. Найти всех ИТ работников с зарплатой выше 12000

Решение:

```
select * from employees
where department = 'IT' and salary > 12000;
```

9. Повысить зарплату работников отдела Human Resources в 5 раз

Решение:

```
update employees
set salary = salary*5
where department = 'Human resources';
```

10. Найти работников отдела Marketing с зарплатой ниже 2850.

Решение:

```
select * from employees
where department = 'Marketing' and salary < 2850;
```

11. У руководителя родились близнецы Лаура и Адам, в честь праздника он решил повысить зарплату работников с именами Лаура и Адам в 10 раз.

Решение:

```
update employees
set salary = salary*10
```

where first_name in ('Laura', 'Adam');

12. Diana Lorentz вышла замуж и поменяла фамилию на King. Поменяйте у Diana Lorentz фамилию на King.

Решение:
```
update employees
set last_name = 'King'
where first_name = 'Diana' and last_name= 'Lorentz';
```

13. Всех работников отдела sales уволили. Удалите работников sales из таблицы.

Решение:
```
delete from employees
where department = 'Sales';
```

14. John Russell перевели в отдел Marketing и повысили зарплату на 5000. Измените данные для работника John Russell.

Решение:
```
update employees
set department = 'Marketing' , salary = salary +5000
where first_name = 'John' and last_name= 'Russell';
```

15. После праздника руководитель протрезвел и уменьшил зарплаты работников с именами Лаура и Адам в 10 раз.

Решение:
```
update employees
set salary = salary/10
where first_name in ('Laura', 'Adam');
```

16. Laura Bissot поменяла свой мейл на BISSOTLAURA. Измените данные для работника Laura Bissot.

Решение:
```
update employees
set email = 'BISSOTLAURA'
where first_name = 'Laura' and last_name= 'Bissot';
```

17. Diana King развелась и поменяла фамилию обратно на Lorentz. И в честь развода руководитель повысил ее зарплату на 2000. Измените данные для работника Diana King.

Решение:
```
update employees

set last_name = 'Lorentz',  salary = salary +2000

where first_name = 'Diana' and last_name= 'King';
```