

Task 1 done by Yergesh Bakytzhan

1. Выберите все данные из таблицы Departments.

```
SELECT * FROM departments
```

SQL Worksheet

1	SELECT * FROM departments
---	---------------------------

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
10	Administration	200	1700
20	Marketing	201	1800
30	Purchasing	114	1700
40	Human Resources	203	2400
50	Shipping	121	1500
60	IT	103	1400
70	Public Relations	204	2700

2. Выберите поля Department_ID и Department_Name из таблицы Departments.

```
SELECT department_id, department_name FROM departments
```

SQL Worksheet

```
1 SELECT department_id, department_name FROM departments
```

DEPARTMENT_ID	DEPARTMENT_NAME
10	Administration
20	Marketing
30	Purchasing
40	Human Resources
50	Shipping
60	IT
70	Public Relations
80	Sales
90	Executive

3. Выберите поле Department_Name из таблицы Departments, где Department_ID > 120.

```
SELECT department_name FROM departments WHERE department_id>120
```

SQL Worksheet

```
1 SELECT department_id ,department_name FROM departments WHERE department_id>120
```

DEPARTMENT_ID	DEPARTMENT_NAME
130	Corporate Tax
140	Control And Credit
150	Shareholder Services
160	Benefits
170	Manufacturing
180	Construction
190	Contracting
200	Operations
210	IT Support
220	NOC
230	IT Helpdesk

4. Выберите поля First_Name, Last_Name, Salary, Hire_Date из таблицы Employee, где Manager_ID равен 100.

```
SELECT first_name, last_name, salary, hire_date FROM employees WHERE manager_id = 100
```

SQL Worksheet

```
1 SELECT first_name, last_name, salary, hire_date FROM employees WHERE manager_id = 100
```

FIRST_NAME	LAST_NAME	SALARY	HIRE_DATE
Neena	Kochhar	17000	21-SEP-05
Lex	De Haan	17000	13-JAN-01
Den	Raphaely	11000	07-DEC-02
Matthew	Weiss	8000	18-JUL-04
Adam	Fripp	8200	10-APR-05
Payam	Kaufling	7900	01-MAY-03
Shanta	Vollman	6500	10-OCT-05
Kevin	Mourgos	5800	16-MAY-07

5. Отсортируйте выборку из задания 3 по полям Hire_Date, Last_Name, First_Name в таком порядке.

```
SELECT first_name, last_name, salary, hire_date FROM employees WHERE manager_id = 100  
ORDER BY hire_date, last_name, first_name
```

SQL Worksheet

```
1 SELECT first_name, last_name, salary, hire_date FROM employees WHERE manager_id = 100 ORDER BY hire_date, last_name, first_name
```

FIRST_NAME	LAST_NAME	SALARY	HIRE_DATE
Lex	De Haan	17000	13-JAN-01
Den	Raphaely	11000	07-DEC-02
Payam	Kaufling	7900	01-MAY-03
Michael	Hartstein	13000	17-FEB-04
Matthew	Weiss	8000	18-JUL-04
John	Russell	14000	01-OCT-04
Karen	Partners	13500	05-JAN-05
Alberto	Errazuriz	12000	10-MAR-05
Adam	Fripp	8200	10-APR-05

6. Выберите поля Department_ID и Department_Name из таблицы Departments и напишите рядом с ними однострочные комментарии с описанием этих полей.

SELECT

department_id --Номер кафедры,

department_name --Название кафедры

FROM departments

COMMENT ON COLUMN departments.department_id

IS 'Primary key of departments table.'

COMMENT ON COLUMN departments.department_name

IS 'The name of departments of the departments table.'

7. Напишите многострочный комментарий к заданию 6 с описанием запроса.

SELECT first_name, last_name, salary, hire_date /* выбираем столбцы имя, фамилия, зарплата, день поступления */ FROM employees

COMMENT ON COLUMN employees

IS 'The table about information of employees'

8. К получившемуся запросу из задания 6 добавьте фильтр Manager_ID, равный 100, и перед ним сделайте многострочный комментарий, описывающий вашу доработку запроса.

```
SELECT first_name, last_name, salary, hire_date /* выбираем столбцы имя, фамилия,  
зарплата, день поступления */ FROM employees manager_id = 100 /* запрос с фильтром  
равный к 100 */
```