

Employee Table:

	employeeid	firstname	lastname	department	salary	hire_date
▶	1	Alice	Smith	Engineering	75000.00	2018-03-01
	2	Bob	Jones	HR	58000.00	2019-07-15
	3	Charlie	Brown	Engineering	62000.00	2020-01-10
	4	David	Wilson	Sales	49000.00	2017-05-21
	5	Eva	Taylor	HR	54000.00	2021-11-30
	6	Frank	Anderson	Engineering	88000.00	2016-09-05
	7	Grace	Thomas	Marketing	45000.00	2022-02-14
	8	Hannah	Jackson	Sales	67000.00	2015-08-08
	9	Ian	White	Engineering	59000.00	2019-12-23
	10	Jane	Harris	HR	61000.00	2020-06-18
	11	Kyle	Martin	Marketing	53000.00	2018-10-09
	12	Lara	Thompson	Engineering	72000.00	2017-01-27
	13	Mike	Garcia	Sales	48000.00	2021-04-11
	14	Nina	Martinez	HR	55000.00	2022-07-06
	15	Oscar	Robinson	Marketing	66000.00	2019-02-28

Department where the average salary is greater than 60000:

	department	average_salary
▶	Engineering	71200.000000

Departments with more than 2 employee and average salary is greater than 55000:

	department
▶	Engineering
	HR

Departments where the total salary paid exceeds 50000:

	department
▶	Engineering
	HR
	Sales
	Marketing

departments with a **minimum salary greater than 45000**

	department
▶	HR
	Sales
	Marketing

Departments where the number of employees is **greater than or equal to 3**, and the average salary is **less than 65,000**.

	department
▶	HR
	Sales
	Marketing

Employees ordered by their **first name in ascending order**.

	employeeid	firstname	lastname	department	salary	hire_date
▶	1	Alice	Smith	Engineering	75000.00	2018-03-01
	2	Bob	Jones	HR	58000.00	2019-07-15
	3	Charlie	Brown	Engineering	62000.00	2020-01-10
	4	David	Wilson	Sales	49000.00	2017-05-21
	5	Eva	Taylor	HR	54000.00	2021-11-30
	6	Frank	Anderson	Engineering	88000.00	2016-09-05
	7	Grace	Thomas	Marketing	45000.00	2022-02-14
	8	Hannah	Jackson	Sales	67000.00	2015-08-08
	9	Ian	White	Engineering	59000.00	2019-12-23
	10	Jane	Harris	HR	61000.00	2020-06-18
	11	Kyle	Martin	Marketing	53000.00	2018-10-09
	12	Lara	Thompson	Engineering	72000.00	2017-01-27
	13	Mike	Garcia	Sales	48000.00	2021-04-11
	14	Nina	Martinez	HR	55000.00	2022-07-06
	15	Oscar	Robinson	Marketing	66000.00	2019-02-28

Employees ordered by their **hire date in descending order**.

	employeeid	firstname	lastname	department	salary	hire_date
▶	14	Nina	Martinez	HR	55000.00	2022-07-06
	7	Grace	Thomas	Marketing	45000.00	2022-02-14
	5	Eva	Taylor	HR	54000.00	2021-11-30
	13	Mike	Garcia	Sales	48000.00	2021-04-11
	10	Jane	Harris	HR	61000.00	2020-06-18
	3	Charlie	Brown	Engineering	62000.00	2020-01-10
	9	Ian	White	Engineering	59000.00	2019-12-23
	2	Bob	Jones	HR	58000.00	2019-07-15
	15	Oscar	Robinson	Marketing	66000.00	2019-02-28
	11	Kyle	Martin	Marketing	53000.00	2018-10-09
	1	Alice	Smith	Engineering	75000.00	2018-03-01
	4	David	Wilson	Sales	49000.00	2017-05-21
	12	Lara	Thompson	Engineering	72000.00	2017-01-27
	6	Frank	Anderson	Engineering	88000.00	2016-09-05
	8	Hannah	Jackson	Sales	67000.00	2015-08-08

Retrieve employees and their **salaries, ordered by salary from lowest to highest.**

	employeeid	firstname	lastname	salary
►	7	Grace	Thomas	45000.00
	13	Mike	Garcia	48000.00
	4	David	Wilson	49000.00
	11	Kyle	Martin	53000.00
	5	Eva	Taylor	54000.00
	14	Nina	Martinez	55000.00
	2	Bob	Jones	58000.00
	9	Ian	White	59000.00
	10	Jane	Harris	61000.00
	3	Charlie	Brown	62000.00
	15	Oscar	Robinson	66000.00
	8	Hannah	Jackson	67000.00
	12	Lara	Thompson	72000.00
	1	Alice	Smith	75000.00
	6	Frank	Anderson	88000.00

Find the **total salary paid in each department**

	department	total_salary
►	Engineering	356000.00
	HR	228000.00
	Sales	164000.00
	Marketing	164000.00

Display the **average salary by department**

	department	avg_salary
►	Engineering	71200.000000
	HR	57000.000000
	Sales	54666.666667
	Marketing	54666.666667

Show the **number of employees** in each department.

	department	employee_count
►	Engineering	5
	HR	4
	Sales	3
	Marketing	3

Find the **highest salary** in each department

	department	highest_salary
►	Engineering	88000.00
	HR	61000.00
	Sales	67000.00
	Marketing	66000.00

Group the **employees** by **hire year** and find the **total salary** for each year.

	year(hire_date)	total_salary
►	2018	128000.00
	2019	183000.00
	2020	123000.00
	2017	121000.00
	2021	102000.00
	2016	88000.00
	2022	100000.00
	2015	67000.00