

Q1. How many employees are there in total?

Ans) `SELECT count(id) FROM human_resources;`

#	count
1	22214

Q2. What department has the most employees?

Ans) `SELECT MAX(t.no_emp) as no_emp, t.department
FROM (SELECT department, count(id) as no_emp
FROM human_resources
GROUP BY department
ORDER BY count(id) desc) as t;`

#	no_emp	department
1	6686	Engineering

Q3. How many Male & Female Staff are there in Company?

Ans) `SELECT COUNT(gender), gender FROM human_resources group by gender;`

#	count	gender
1	11288	Male
2	10321	Female
3	0	No data.
4	605	Non-Conforming

Q4. How many employees work remotely from Ohio?

Ans) `SELECT count(id) as no_emp, location, location_state
FROM human_resources
WHERE human_resources.location_state = 'Ohio' AND human_resources.location = 'Remote';`

	#	no_emp	location	location_state
1		1310	Remote	Ohio

Q5. How many Black people are in Sales Department working from Headquarters?

Ans) `SELECT race, location, department , count(id) as no_emp
FROM human_resources
WHERE lower(race) LIKE '%black%'
AND lower(human_resources.location) like '%headquarters%'
AND lower(department) LIKE '%sales%';`

	race	location	department	#	no_emp
1	Black or African American	Headquarters	Sales		217

Q6. What is the Maximum and Minimum age of Employees?

Ans) `SELECT MIN(DATE_DIFF(human_resources.birthdate, NOW(), 'year')) AS min_age,
MAX(DATE_DIFF(human_resources.birthdate, NOW(), 'year')) AS max_age
FROM human_resources;`

	#	min_age	#	max_age
1		19		56

Q7. How many employees are contractual? (If Term Date is not null then it is Permanent)

```
SELECT count(id), (CASE
  WHEN termdate is NULL THEN 'contractual'
  ELSE 'permanent'
END) as status
FROM human_resources
GROUP BY status;
```

	#	count	▼	T	status	▼
1		3929			permanent	
2		18285			contractual	

Q8. How many people were hired after 2015?

```
SELECT SUM(t.no_emp) AS no_emp_after_2015
FROM (SELECT count(id) as no_emp, YEAR(hire_date) AS hire_year
FROM human_resources
GROUP BY hire_year
HAVING hire_year > 2015) as t
```

	#	no_emp_after_2015	▼
1		5455	

Q9. What is the average age of Employees summarized by Race?

```
SELECT race, AVG(DATE_DIFF(human_resources.birthdate, NOW(), 'year')) AS age
FROM human_resources
GROUP BY race;
```

	<div><div>T</div>race</div>	# age
1	Two or More Races	37.2294
2	American Indian or Alaska Native	37.2524
3	Native Hawaiian or Other Pacific Isla	36.8967
4	Hispanic or Latino	37.0028
5	No data.	No data.
6	Black or African American	37.3233
7	White	37.4411
8	Asian	37.1353

Q10. What maximum tenure in years summarized by each department? Sort ascending so that we can know which department has been newly established relatively to other departments.

```
SELECT MAX(DATE_DIFF(hire_date, NOW(), 'year')) AS earliest_date, department
FROM human_resources
GROUP BY department
ORDER By earliest_date;
-- All of the departments had been established 21 years ago. If we did the
same for day it
-- could have been different
```

	#	earliest_date	▼	T	department	▼
2			21		Business Development	
3			21		Research and Development	
4			21		Sales	
5			21		Training	
6			21		Product Management	
7			21		Human Resources	
8			21		Marketing	
9			21		Accounting	
10			21		Legal	
11			21		Support	
12			21		Auditing	
13			21		Engineering	
14		No data.			No data.	

IN DAYS

```
SELECT MAX(DATE_DIFF(hire_date, NOW(), 'day')) AS earliest_date, department
FROM human_resources
GROUP BY department
ORDER By earliest_date;
```

	#	earliest_date	▼	T	department	▼
2		7738			Marketing	
3		7747			Legal	
4		7758			Research and Development	
5		7763			Services	
6		7768			Support	
7		7771			Accounting	
8		7771			Human Resources	
9		7773			Engineering	
10		7773			Business Development	
11		7773			Sales	
12		7774			Product Management	
13		7775			Training	
14		No data.			No data.	