# Q1. What type of positions this company currently has? (where select distinct)

**Answer**:

|  |
| --- |
| Senior Engineer |
| Staff |
| Senior Staff |
| Engineer |
| Assistant Engineer |
| Technique Leader |
| Manager |

**Solution**:

SELECT distinct title

FROM titles

WHERE to\_date = '9999-01-01';

# Q2. Who is the youngest female employee?

**Answer**:

|  |  |
| --- | --- |
| Supot | Remmele |
| Jouni | Pocchiola |
| Moni | Decaestecker |
| Eishiro | Kuzuoka |
| Ronghao | Schaad |
| Kiyokazu | Whitcomb |

**Solution**:

SELECT

\*

FROM

Employees

WHERE gender = ‘F’

ORDER BY birth\_date DESC

LIMIT 1;

# Q3. Find out title of oldest female employee that her first name starts with ‘Nic’?

**Answer:**

87724 1952-02-28 Niclas Vasanthakumar F 1996-12-19

Senior Staff

**Solution**:

SELECT \*

FROM employees

WHERE gender = 'F'

AND first\_name LIKE ('Nic%')

ORDER BY birth\_date

LIMIT 1;

SELECT \*

FROM titles

WHERE emp\_no = 87724;

## Q4. What is the difference between SQL and MySQL or SQL Server?

SQL or Structured Query Language is a language; language that communicates with a relational database thus providing ways of manipulating and creating databases. MySQL and Microsoft’s SQL Server both are relational database management systems that use SQL as their standard relational database language.

## Q5. Is a NULL value same as zero or a blank space? If not then what is the difference?

A NULL value is not same as zero or a blank space. A NULL value is a value which is ‘unavailable, unassigned, unknown or not applicable’. Whereas, zero is a number and blank space is a character.

## Q6. If a table contains duplicate rows, does a query result display the duplicate values by default? How can you eliminate duplicate rows from a query result?

A query result displays all rows including the duplicate rows. To eliminate duplicate rows in the result, the DISTINCT keyword is used in the SELECT clause.