**Employee Table Data: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1002 | Diane | Murphy | 300000 |
| 1056 | Mary | Patterson | 75000 |
| 1076 | Jeff | Firrelli | 60000 |
| 1088 | William | Patterson | 500000 |
| 1102 | Gerard | Bondur | 100000 |
| 1143 | Anthony | Bow | 80000 |
| 1165 | Leslie | Jennings | 75000 |
| 1166 | Leslie | Thompson | 1000 |
| 1188 | Julie | Firrelli | 2000 |
| 1216 | Steve | Patterson | 4000 |
| 1286 | Foon Yue | Tseng | 6000 |
| 1323 | George | Vanauf | 1 |
| 1337 | Loui | Bondur | 2 |
| 1370 | Gerard | Hernandez | 3 |
| 1401 | Pamela | Castillo | 4 |
| 1501 | Larry | Bott | 5 |
| 1504 | Barry | Jones | 6 |
| 1611 | Andy | Fixter | 7 |
| 1612 | Peter | Marsh | 8 |
| 1619 | Tom | King | 9 |
| 1621 | Mami | Nishi | 10 |
| 1625 | Yoshimi | Kato | 11 |
| 1702 | Martin | Gerard | 12 |

**Find Highest Salary using LIMIT**

**Write a query to find first highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary desc limit 1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1088 | William | Patterson | 500000 |

**Write a query to find Second highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary desc limit 1,1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1002 | Diane | Murphy | 300000 |

**Write a query to find third highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary desc limit 2,1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1102 | Gerard | Bondur | 100000 |

**Write a query to find forth highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary desc limit 3,1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1143 | Anthony | Bow | 80000 |

**Write a query to find top 5 highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary desc limit 5;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1088 | William | Patterson | 500000 |
| 1002 | Diane | Murphy | 300000 |
| 1102 | Gerard | Bondur | 100000 |
| 1143 | Anthony | Bow | 80000 |
| 1056 | Mary | Patterson | 75000 |

**Find Highest Salary without using LIMIT or Top Keyword**

**Syntax: -** SELECT employeeNumber, firstName, lastName, salary FROM employees emp where N-1 = (select count (distinct salary) FROM employees empl where empl.salary > emp.salary);

**Write a query to find first highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees emp where 1-1 = (select count (distinct salary) FROM employees empl where empl.salary > emp.salary);

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1088 | William | Patterson | 500000 |

**Write a query to find Second highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees emp where 2-1 = (select count (distinct salary) FROM employees empl where empl.salary > emp.salary);

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1002 | Diane | Murphy | 300000 |

**Write a query to find third highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees emp where 3-1 = (select count (distinct salary) FROM employees empl where empl.salary > emp.salary);

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1102 | Gerard | Bondur | 100000 |

**Write a query to find forth highest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees emp where 4-1 = (select count (distinct salary) FROM employees empl where empl.salary > emp.salary);

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1143 | Anthony | Bow | 80000 |

**Find Lowest Salary using LIMIT**

Write a query to find first lowest salary of employee

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary limit 1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1323 | George | Vanauf | 1 |

**Write a query to find Second lowest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary limit 1,1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1323 | George | Vanauf | 2 |

**Write a query to find third lowest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary limit 2,1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1323 | George | Vanauf | 3 |

Write a query to find forth lowest salary of employee

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary limit 3,1;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1323 | George | Vanauf | 4 |

**Write a query to find top 5 lowest salary of employee**

SELECT employeeNumber, firstName, lastName, salary FROM employees order by salary limit 5;

**Output: -**

|  |  |  |  |
| --- | --- | --- | --- |
| employeeNumber | firstName | lastName | salary |
| 1323 | George | Vanauf | 1 |
| 1337 | Loui | Bondur | 2 |
| 1370 | Gerard | Hernandez | 3 |
| 1401 | Pamela | Castillo | 4 |
| 1501 | Larry | Bott | 5 |