**Employee Database (Firebird)**

Employee is a sample database that comes with the Firebird cross-platform database management system. You can use this database to explore Firebird SQL and other DBMS features.

**Below is a list of this DB tables:**

1. COUNTRY - table of countries.
2. JOB - table of jobs.
3. DEPARTMENT - table of departments.
4. EMPLOYEE - table of employees.
5. PROJECT - table of projects.
6. EMPLOYEE\_PROJECT - table of employee to project relations.
7. PROJ\_DEPT\_BUDGET - table of project budgets.
8. SALARY\_HISTORY - table of employees salary changes history.
9. CUSTOMER - table of customers.
10. SALES - table of sales.

**Table COUNTRY**

**Table columns:**

* COUNTRY - Name of the country.
* CURRENCY - Currency used in the country.

|  |  |
| --- | --- |
| **COUNTRY** | **CURRENCY** |
| USA | Dollar |

**Table JOB**

**Table columns:**

* JOB\_CODE - Job code.
* JOB\_GRADE - Job grade.
* JOB\_COUNTRY - Country associated with the job.
* JOB\_TITLE - Job title.
* MIN\_SALARY - Minimum salary for the job.
* MAX\_SALARY - Maximum salary for the job.
* JOB\_REQUIREMENT - Job requirements.
* LANGUAGE\_REQ - Language requirements.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **JOB\_CODE** | **JOB\_GRADE** | | **JOB\_COUNTRY** | **JOB\_TITLE** | **MIN\_SALARY** | **MAX\_SALARY** | **JOB\_REQUIREMENT** |
| CEO | 1 | | USA | Chief Executive Officer | 130000.00 | 250000.00 | No specific requirements. |
| **LANGUAGE\_REQ** | |
| [null] | |

**Table DEPARTMENT**

**Table columns:**

* DEPT\_NO - Department number.
* DEPARTMENT - Department name.
* HEAD\_DEPT - Head department (can be null).
* MNGR\_NO - Manager number.
* BUDGET - Department budget.
* LOCATION - Department location.
* PHONE\_NO - Phone number for the department.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **DEPT\_NO** | **DEPARTMENT** | **HEAD\_DEPT** | **MNGR\_NO** | **BUDGET** | **LOCATION** | **PHONE\_NO** |
| 000 | Corporate Headquarters | [null] | 105 | 1000000.00 | Monterey | (408) 555-1234 |

**Table EMPLOYEE**

**Table columns:**

* EMP\_NO - Employee number.
* FIRST\_NAME - First name of the employee.
* LAST\_NAME - Last name of the employee.
* PHONE\_EXT - Phone extension for the employee.
* HIRE\_DATE - Date of employee's hire.
* DEPT\_NO - Department number.
* JOB\_CODE - Job code for the employee.
* JOB\_GRADE - Job grade for the employee.
* JOB\_COUNTRY - Country associated with the employee's job.
* SALARY - Salary of the employee.
* FULL\_NAME - Full name of the employee.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EMP\_NO** | **FIRST\_NAME** | | **LAST\_NAME** | **PHONE\_EXT** | **HIRE\_DATE** | **DEPT\_NO** | **JOB\_CODE** | **JOB\_GRADE** | **SALARY** | **FULL\_NAME** |
| 2 | Robert | | Nelson | 250 | 1988-12-28 00:00:00 | 600 | VP | 2 | 105900.00 | Nelson, Robert |
| **JOB\_COUNTRY** | |
| USA | |

**Table PROJECT**

**Table columns:**

* PROJ\_ID - Project ID.
* PROJ\_NAME - Project name.
* PROJ\_DESC - Project description.
* TEAM\_LEADER - Team leader for the project.
* PRODUCT - Product associated with the project.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PROJ\_ID** | **PROJ\_NAME** | **PROJ\_DESC** | **TEAM\_LEADER** | **PRODUCT** |
| VBASE | Video Database | Design a video database management system for controlling on-demand video distribution. | 45 | software |

**Table EMPLOYEE\_PROJECT**

Table columns:

* EMP\_NO - Employee number.
* PROJ\_ID - Project ID.

|  |  |
| --- | --- |
| **EMP\_NO** | **PROJ\_ID** |
| 144 | DGPII |

**Table PROJ\_DEPT\_BUDGET**

**Table columns:**

* FISCAL\_YEAR - Fiscal year.
* PROJ\_ID - Project ID.
* DEPT\_NO - Department number.
* QUART\_HEAD\_CNT - Quarter headcount (can be null).
* PROJECTED\_BUDGET - Projected budget for the fiscal year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **FISCAL\_YEAR** | **PROJ\_ID** | **DEPT\_NO** | **QUART\_HEAD\_CNT** | **PROJECTED\_BUDGET** |
| 1994 | GUIDE | 100 | [null] | 200000.00 |

**Table SALARY\_HISTORY**

**Table columns:**

* EMP\_NO - Employee number.
* CHANGE\_DATE - Date of salary change.
* UPDATER\_ID - Updater ID.
* OLD\_SALARY - Previous salary.
* PERCENT\_CHANGE - Percentage change in salary.
* NEW\_SALARY - New salary after the change.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EMP\_NO** | **CHANGE\_DATE** | **UPDATER\_ID** | **OLD\_SALARY** | **PERCENT\_CHANGE** | **NEW\_SALARY** |
| 28 | 1992-12-15 00:00:00 | admin2 | 20000.00 | 10.000000 | 22000.000000 |

**Table CUSTOMER**

**Table columns:**

* CUST\_NO - Customer number.
* CUSTOMER - Customer name.
* CONTACT\_FIRST - First name of the contact person.
* CONTACT\_LAST - Last name of the contact person.
* PHONE\_NO - Phone number for the customer.
* ADDRESS\_LINE1 - Address line 1.
* ADDRESS\_LINE2 - Address line 2 (can be null).
* CITY - City of the customer.
* STATE\_PROVINCE - State or province of the customer.
* COUNTRY - Country of the customer.
* POSTAL\_CODE - Postal code of the customer.
* ON\_HOLD - On hold status (can be null).

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CUST\_NO** | **CUSTOMER** | | **CONTACT\_FIRST** | | **CONTACT\_LAST** | **PHONE\_NO** | **ADDRESS\_LINE1** | **STATE\_PROVINCE** | **COUNTRY** | **POSTAL\_CODE** | **ON\_HOLD** |
| 1001 | Signature Design | | Dale J. | | Little | (619) 530-2710 | 15500 Pacific Heights Blvd. | CA | USA | 92121 | [null] |
| **ADDRESS\_LINE2** | | **CITY** | |
| [null] | | San Diego | |

**Table SALES**

**Table columns:**

* PO\_NUMBER - Purchase order number.
* CUST\_NO - Customer number associated with the order.
* SALES\_REP - Sales representative number.
* ORDER\_STATUS - Order status.
* ORDER\_DATE - Date of the order.
* SHIP\_DATE - Date of shipment.
* DATE\_NEEDED - Date needed (can be null).
* PAID - Payment status.
* QTY\_ORDERED - Quantity ordered.
* TOTAL\_VALUE - Total value of the order.
* DISCOUNT - Discount applied.
* ITEM\_TYPE - Type of item in the order.
* AGED - Aged value.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PO\_NUMBER** | **CUST\_NO** | **SALES\_REP** | **ORDER\_STATUS** | **ORDER\_DATE** | **SHIP\_DATE** | **DATE\_NEEDED** | **TOTAL\_VALUE** | **DISCOUNT** | **ITEM\_TYPE** | **AGED** |
| V91E0210 | 1004 | 11 | shipped | 1991-03-04 00:00:00 | 1991-03-05 00:00:00 | [null] | 5000.00 | 0.100000 | hardware | 1.000000000 |
| **PAID** | **QTY\_ORDERED** |
| y | 10 |