## General Note:

For most of the below exercises, multiple solutions are possible. Try to solve with minimum looping over the internal tables.

All database tables starting with “RS” have a field called OBJVERS. Whenever you query an RS\* tables, **always** restrict this field for the value ‘A’. In other words, when selecting on RS\* tables, your select statement must always have a OBJVERS = ‘A’ in the where clause.

**InfoObject Texts**: DB Table RSDIOBJ contains all the InfoObjects in the system. Get the InfoObject names (field IOBJNM) and types (field IOBJTP) from this table for the below infoobjects. RSDIOBJT is the table that contains the descriptions of the objects. From this table, get the short text (TXTSH) field.

0CALDAY, 0CALMONTH, 0PLANT, 0MATERIAL

Expected Output

|  |  |  |
| --- | --- | --- |
| **InfoObject** | **Type** | **Description** |
| 0CALDAY | TIM | Calendar Day |
| 0CALMONTH | TIM | Calendar Year/Month |
| 0MATERIAL | CHA | Material |
| 0PLANT | CHA | Plant |
| 0VALUE\_LC | KYF | Amt. in local curr. |

Hint: To get the English-language texts, restrict the RSDIOBJT table with LANGU = ‘EN’.

**InfoObject German & English:** DB Table RSDIOBJ contains Similar to above. However, you need to show the German and the English texts as below. Tables are the same.

|  |  |  |  |
| --- | --- | --- | --- |
| **InfoObject** | **Type** | **EnglishDescription** | **GermanDescription** |
| 0CALDAY | TIM | Calendar Day | Kalendertag |
| 0CALMONTH | TIM | Calendar Year/Month | KalJahr/Monat |
| 0MATERIAL | CHA | Material | Material |
| 0PLANT | CHA | Plant | Werk |
| 0VALUE\_LC | KYF | Amt. in local curr. | Betrag in H-Währung |

Hint: To get the English-language texts, restrict the RSDIOBJT table with LANGU = ‘EN’. To get German texts, restrict the same table with LANGU = ‘DE’

**Closing:** Create the table below.

|  |  |  |
| --- | --- | --- |
| Country | Plant | Amount |
| IN | PL01 | 100 |
| IN | PL01 | 150 |
| IN | PL02 | 100 |
| IN | PL02 | -90 |
| IN | PL02 | -10 |
| US | PL01 | 90 |
| US | PL01 | 50 |
| US | PL01 | -140 |
| US | PL02 | 150 |

Now populate the below table based on the following logic: Copy all records from the above table. If the total amount for a **Country/Plant combination** is zero, then mark all the records for that **combination** with the flag = X. For example, the total for country/plant IN/PL02 is zero, so mark them with the flag = X in the result table. The total for country/plant US/PL01 is zero, so mark them with the flag = X. Rest of the records should have a blank flag.

|  |  |  |  |
| --- | --- | --- | --- |
| Country | Plant | Amount | Flag |
| IN | PL01 | 100 |  |
| IN | PL01 | 150 |  |
| IN | PL02 | 100 | X |
| IN | PL02 | -90 | X |
| IN | PL02 | -10 | X |
| US | PL01 | 90 | X |
| US | PL01 | 50 | X |
| US | PL01 | -140 | X |
| US | PL02 | 130 |  |
| US | PL02 | 190 |  |

Additional hint for this question: this is a combination of the earlier exercises

**Without All Entries:** Do the first two exercises (InfoObject texts) without using For All Entries.

Hint: Google Is Your Friend ☺