**LEXICAL PARAMETER IN RDF REPORTS (&):**
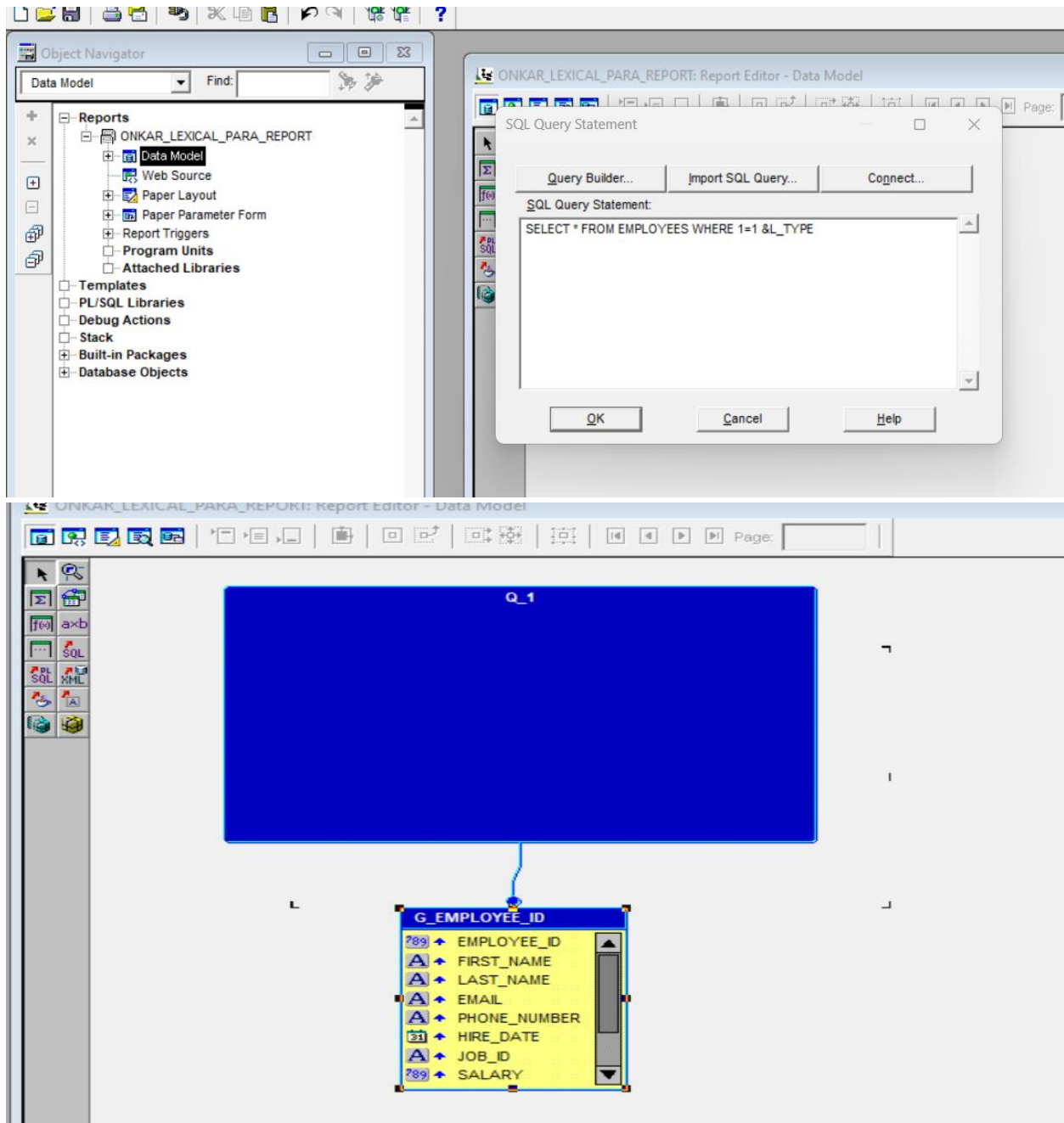
LEXICAL PARAM IS USED TO CHANGE THE WHERE CLAUSE AT RUNTIME.

**DESIGN THE SIMPLE REPORT BASED ON EMP TABLE WHERE INPUT IS USER TYPE(EMP OR MGR) AND WHEN IP IS EMP THEN SHOW DETAILS OF DEPT 10 AND WHEN MGR THEN SHOW DETAILS OF DEPT 10,20,30:**

IN THIS E.G. WE ARE CHANGING VAL OF '&L_TYPE' ON RUNTIME.

## Object Navigator

**P_TYPE**    Find:

- Reports
  - ONKAR_LEXICAL_PARA_REPORT
    - Data Model
      - System Parameters
      - User Parameters
        - L_TYPE
        - **P_TYPE**
      - Queries
        - Q_1
      - Groups
        - G_EMPLOYEE_ID
          - COMMISSION_PCT
          - DEPARTMENT_ID
          - EMAIL
          - EMPLOYEE_ID
          - FIRST_NAME
          - HIRE_DATE

## Property Inspector

Find:

**User Parameter: P_TYPE**

| General Information | |
|---|---|
| Name | P_TYPE |
| Comments | |
| **Parameter** | |
| Datatype | Character |
| Width | 20 |
| Initial Value | |
| Validation Trigger | |
| List of Values | |
| **Connection** | |
| Type of Pluggable Data Source | |

## Object Navigator

**AFTER PARAMETER FOF**    Find:

- Reports
  - ONKAR_LEXICAL_PARA_REPORT
    - Data Model
      - System Parameters
      - User Parameters
      - Queries
        - Q_1
      - Groups
      - Formula Columns
      - Summary Columns
      - Placeholder Columns
      - Data Links
      - Web Source
      - Paper Layout
      - Paper Parameter Form
      - Report Triggers
        - BEFORE PARAMETER FORM
        - **AFTER PARAMETER FORM**
        - BEFORE REPORT
        - BETWEEN PAGES
        - AFTER REPORT
      - Program Units
      - Attached Libraries
  - Templates
  - PL/SQL Libraries
  - Debug Actions
  - Stack
  - Built-in Packages
  - Database Objects

## ONKAR_LEXICAL_PARA_REPORT: Report Editor - Data Model

Page:

## ONKAR_LEXICAL_PARA_REPORT: Program Unit - AFTERPFORM

| Compile | Revert | New... | Delete | Close | Help |

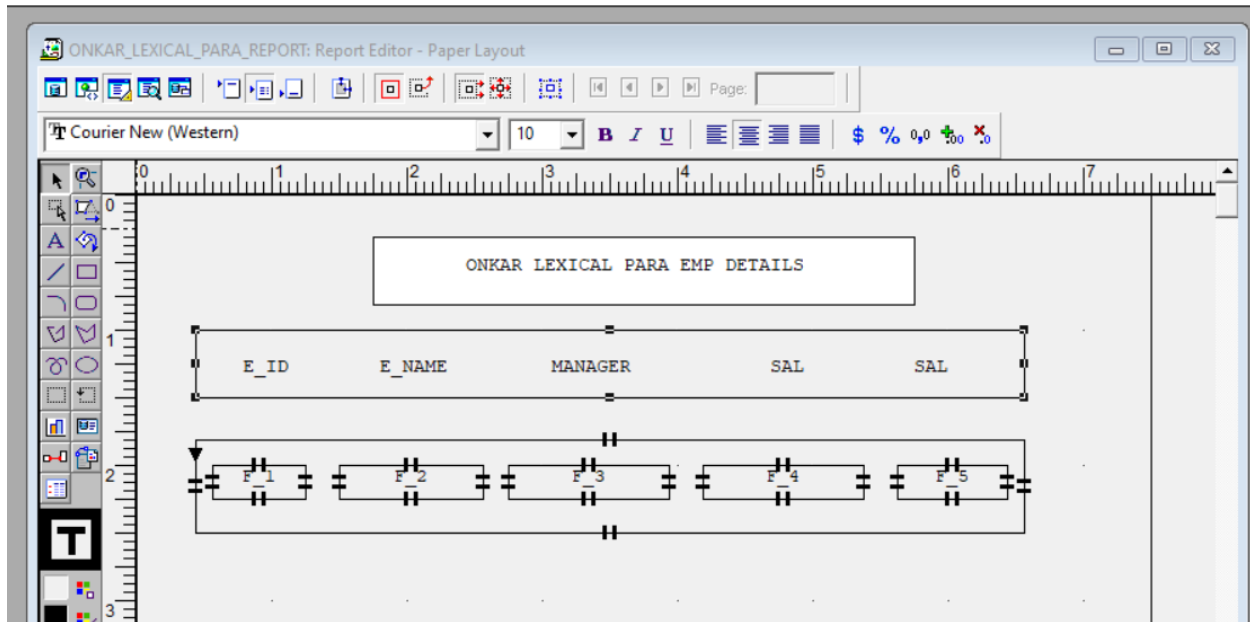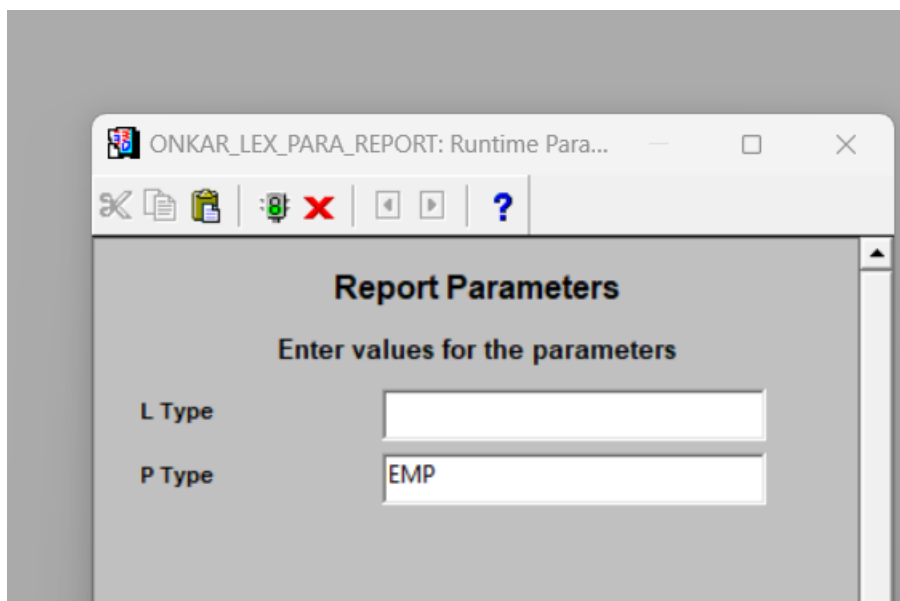Type: Object Level    Object: Report

Name: After Form

```
function AfterPForm return boolean is
begin
  IF :P_TYPE ='EMP' THEN
    :L_TYPE :=' AND DEPARTMENT_ID = 10';
  ELSIF :P_TYPE ='MGR' THEN
    :L_TYPE :=' AND DEPARTMENT_ID IN (10,20,30)';
  END IF;
  return (TRUE);
end;
```

Not Modified                                    Successfully Compiled

JOB_ID
SALARY

Ctrl+Shift+K ==>TO RESOLVE THIS ERROR AND ALSO COMPILING PLSQL CODE>>>

rep-1247 report contains uncompiled pl/sql

ONKAR_LEX_PARA_REPORT: Report Editor - Paper Design

Courier New (Western)    10

ONKAR LEXICAL PARA EMP DETAILS

| E_ID | E_NAME | MANAGER | SAL | DEPT |
|------|--------|---------|-----|------|
| 200 | Jennifer | 101 | 4840 | 10 |



**Report Parameters**

**Enter values for the parameters**

L Type

P Type    MGR

ONKAR_LEX_PARA_REPORT: Report Editor - Paper Design

Courier New (Western)    10    B  I  U
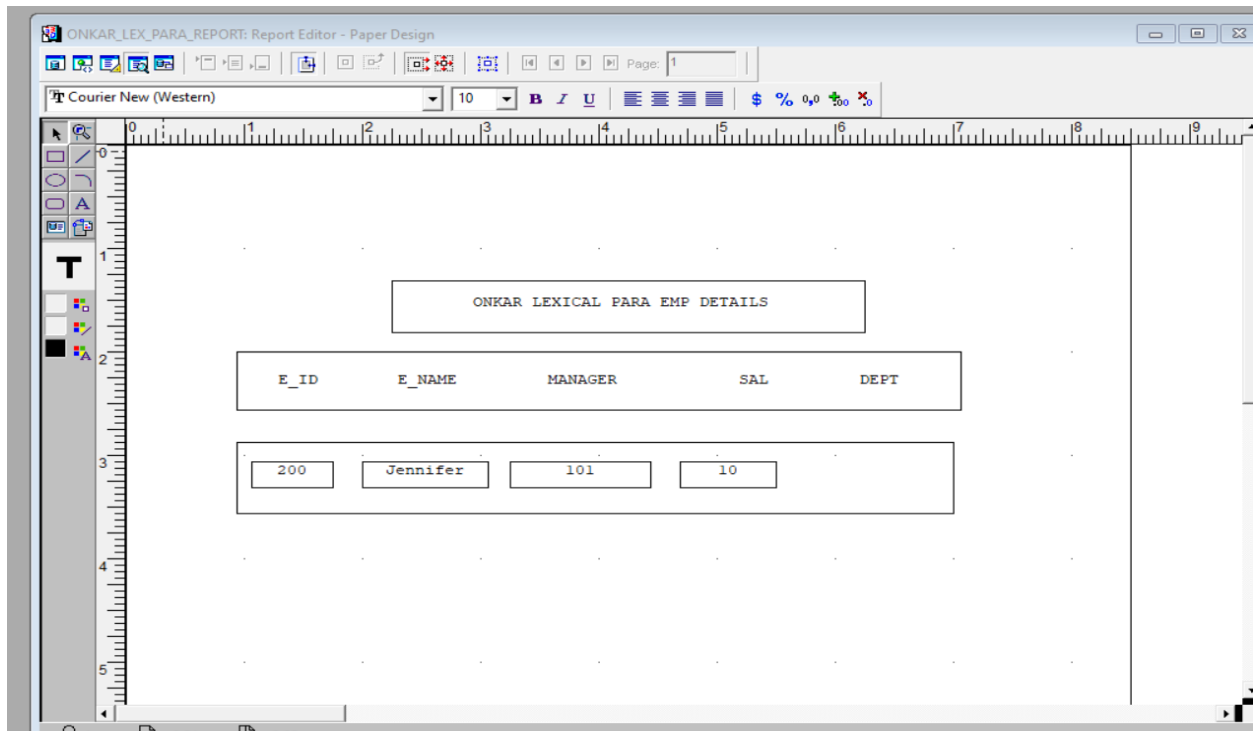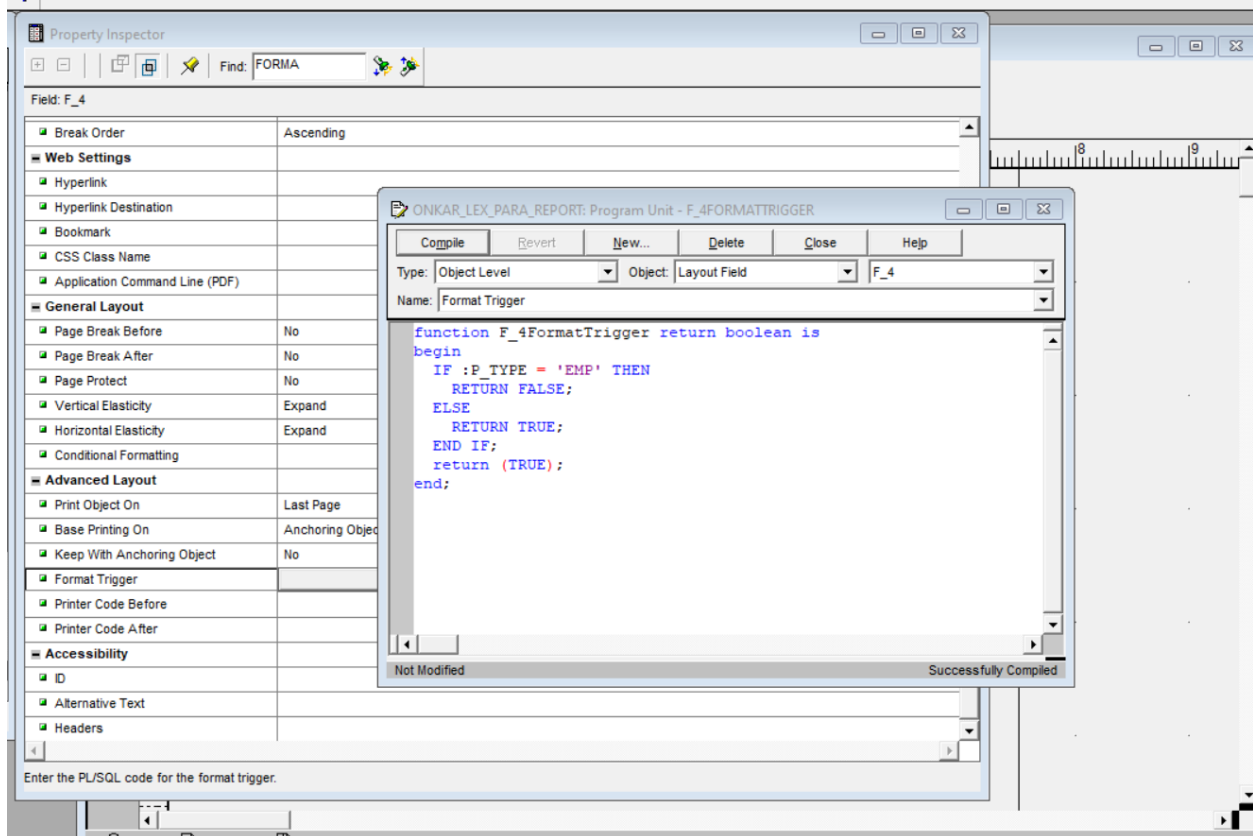
ONKAR LEXICAL PARA EMP DETAILS

| E_ID | E_NAME | MANAGER | SAL | DEPT |
|------|--------|---------|------|------|
| 200 | Jennifer | 101 | 4840 | 10 |
| 201 | Michael | 100 | 24000 | 20 |
| 202 | Pat | 201 | 17000 | 20 |
| 117 | Sigal | 114 | 3080 | 30 |
| 119 | Karen | 114 | 2750 | 30 |

**FORMAT TRIGGER:**

HIDE OR SHOW PARTICULAR COLUMN WE USE FORMAT TRIGGER.

**E.G. IF P_TYPE IS EMP WE DON'T WANT TO SHOW THE SAL COLUMN:**

NOW TO SHOW THE 'NA' IN THE COLUMN CREATE NA AND APPLY FORMAT TRIGGER THERE:

Find:

Text: B_7

| | |
|---|---|
| ▪ Hyperlink | |
| ▪ Hyperlink Destination | |
| ▪ Bookmark | |
| ▪ Contains HTML Tags | No |
| ▪ CSS Class Name | |
| ▪ CSS ID | |
| ▪ Application Command Line (PDF) | |
| **▫ General Layout** | |
| ▪ Page Break Before | No |
| ▪ Page Break After | No |
| ▪ Page Protect | No |
| ▪ Vertical Elasticity | Fixed |
| ▪ Horizontal Elasticity | Fixed |
| ▪ Minimum Widow Lines | 0 |
| ▪ Conditional Formatting | |
| **▫ Advanced Layout** | |
| ▪ Print Object On | Last Page |
| ▪ Base Printing On | Anchoring |
| ▪ Keep With Anchoring Object | No |
| ▪ Format Trigger | ... |
| ▪ Printer Code Before | |
| ▪ Printer Code After | |
| **▫ Accessibility** | |
| ▪ ID | |
| ▪ Headers | |

Enter the PL/SQL code for the format trigger.

Layout

Page:

ONKAR LEXICAL PARA EMP DETAILS

MANAGER          SAL          DEPT

F_3          F_4     NA     F_5

**ONKAR_LEX_PARA_REPORT: Program Unit - B_7FORMATTRIGGER**

Compile   Revert   New...   Delete   Close   Help

Type: Object Level     Object: Layout Boilerplate     B_7

Name: Format Trigger

```
function B_7FormatTrigger return boolean is
begin
  IF :P_TYPE='EMP' THEN
    RETURN TRUE;
  ELSE
    RETURN FALSE;
  END IF;
```

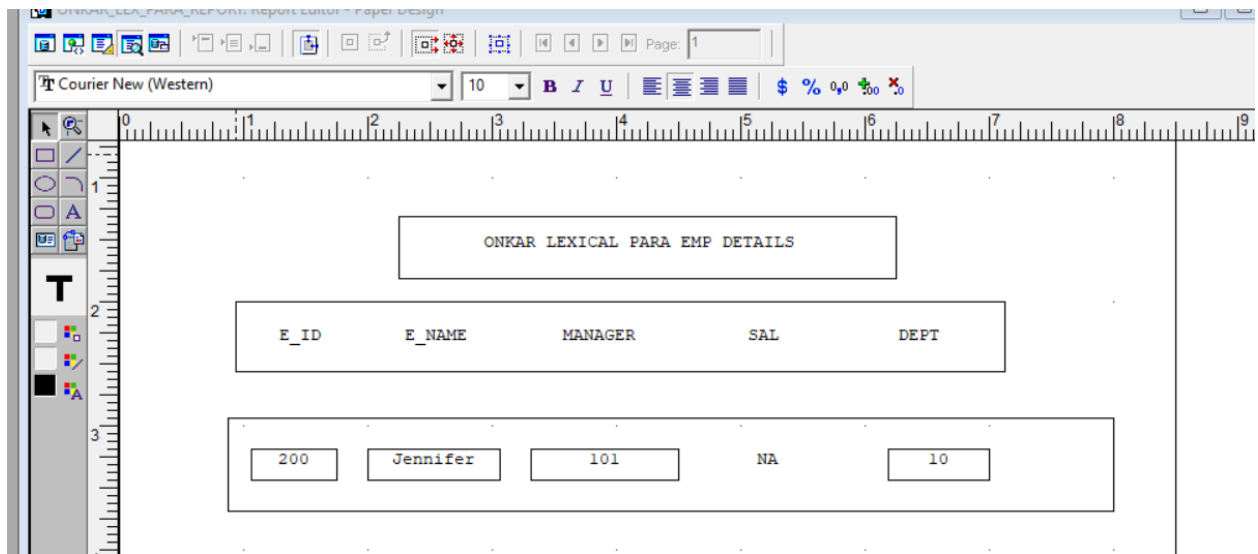Not Modified                                    Successfully Compiled

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**ONKAR_LEX_PARA_REPORT: Report Editor - Paper Layout**

Courier New (Western)     10     B  I  U     $  %

ONKAR LEXICAL PARA EMP DETAILS

E_ID          E_NAME          MANAGER          SAL          DEPT

F_1     F_2     F_3     RNA     F_5

ONKAR LEXICAL PARA EMP DETAILS

| E_ID | E_NAME | MANAGER | SAL | DEPT |
|------|--------|---------|-----|------|
| 200 | Jennifer | 101 | NA | 10 |

## FORMULA/PLACEHOLDER/SUMMARY:

### 1. FORMULA COLUMN:

**MODULE1: Program Unit - CF_GET_DEPT_NAMEFORMULA**

| Compile | Revert | New... | Delete | Close | Help |

Type: Object Level ▼  Object: Column ▼  CF_GET_DEPT_NAME ▼

Name: Formula ▼

```
function CF_GET_DEPT_NAMEFormula return CHAR is
D_NAME VARCHAR2(40);
begin
  SELECT DEPARTMENT_NAME INTO D_NAME FROM DEPARTMENTS
  WHERE DEPARTMENT_ID=:DEPARTMENT_ID;
  RETURN D_NAME;
EXCEPTION
  WHEN OTHERS THEN
  RETURN NULL;
end;
```

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| 100 | Steven | 90 | Executive |
| 101 | Neena | 90 | Executive |
| 102 | Lex | 90 | Executive |

**2. SUM SALARY:**

## Property Inspector

Summary Column: CS_SUM_SAL

| General Information | |
|---|---|
| Name | CS_SUM_SAL |
| Comments | |
| **Column** | |
| Column Type | Summary |
| Datatype | Number |
| Width | 20 |
| Value if Null | |
| **Summary** | |
| Function | Sum |
| Source | SALARY |
| Reset At | Report |
| **XML Settings** | |
| XML Tag | CS_SUM_SAL |
| XML Tag Attributes | |
| Exclude from XML output | No |
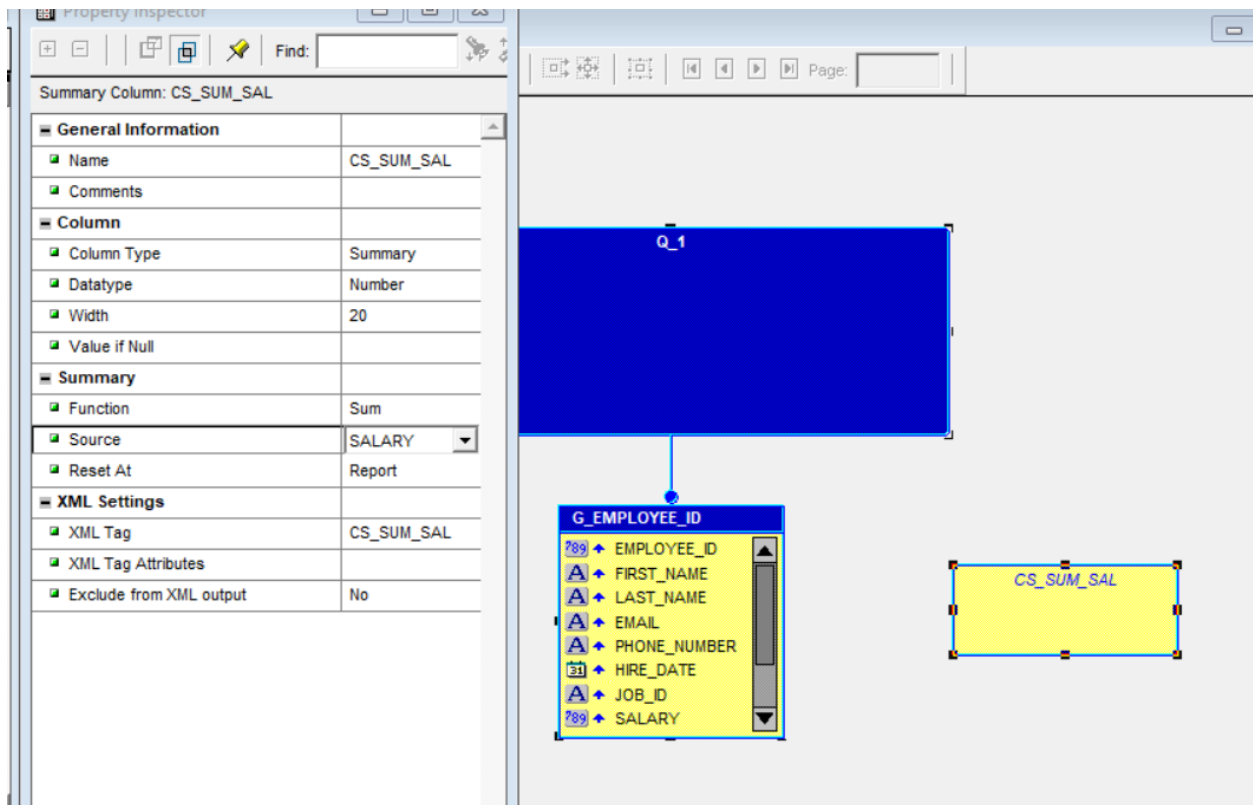


```
100              35000


     SUM SAL :      1353126
```

### 3.  PLACEHOLDER:

IT USED TO HOLD A VALUE.