Alerts :

Alerts notify users about critical business events, such as pending approvals, exceptions, or tasks that need action.

alerts can be categorized into two main types: **Periodic Alerts** and **Event Alerts**

Periodic Alerts

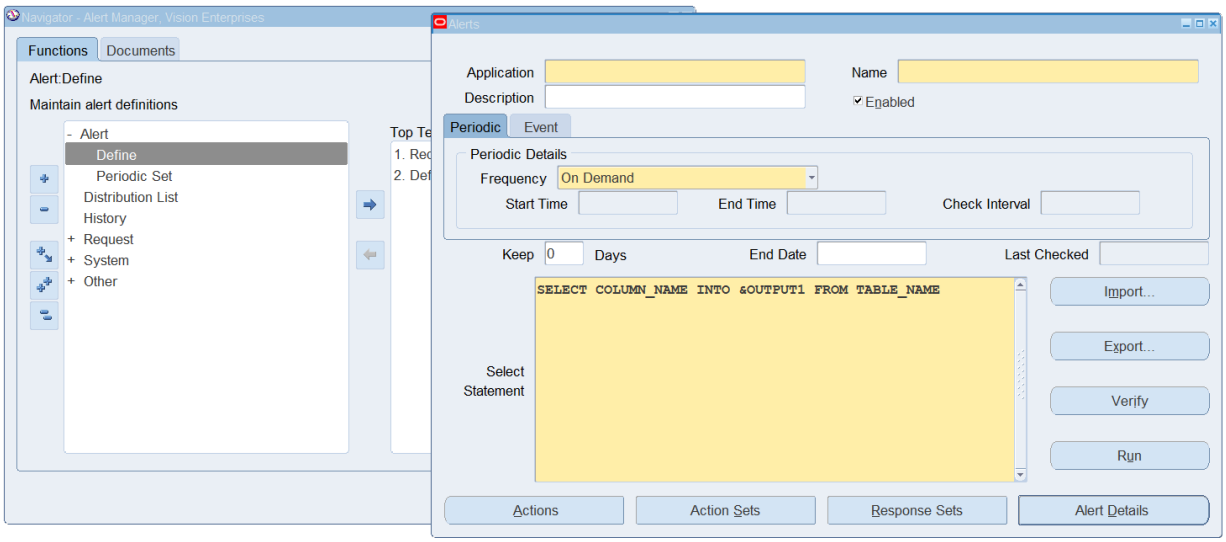
- **Definition:** These alerts are generated at regular intervals like reminder(e.g., daily, weekly, monthly).
- **Example:** An alert that notifies the finance team every month about overdue invoices.

Event Alerts

- **Definition:** These alerts are triggered by specific actions or events in the system.(like db trigger)
- **Example:** An alert that is sent when a purchase order is approved or when inventory levels drop below a certain threshold.

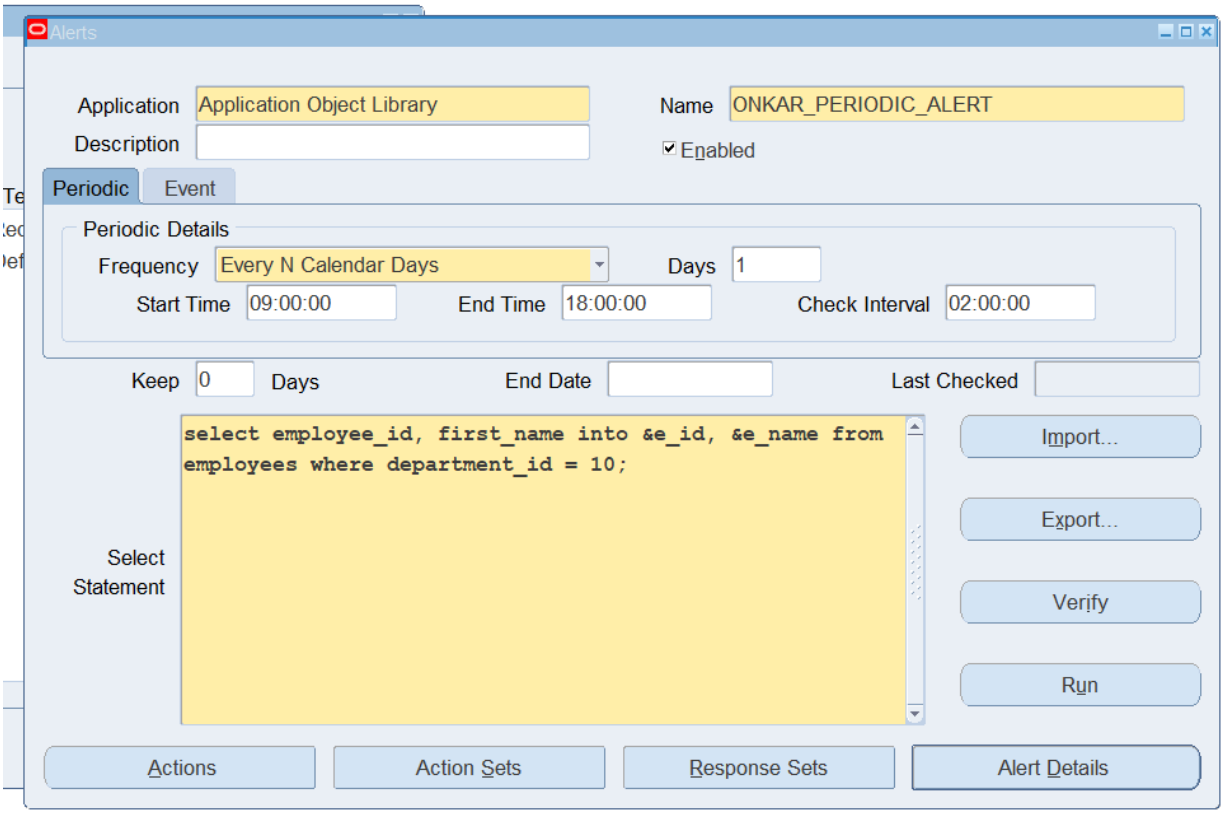
1. Periodic Alerts :

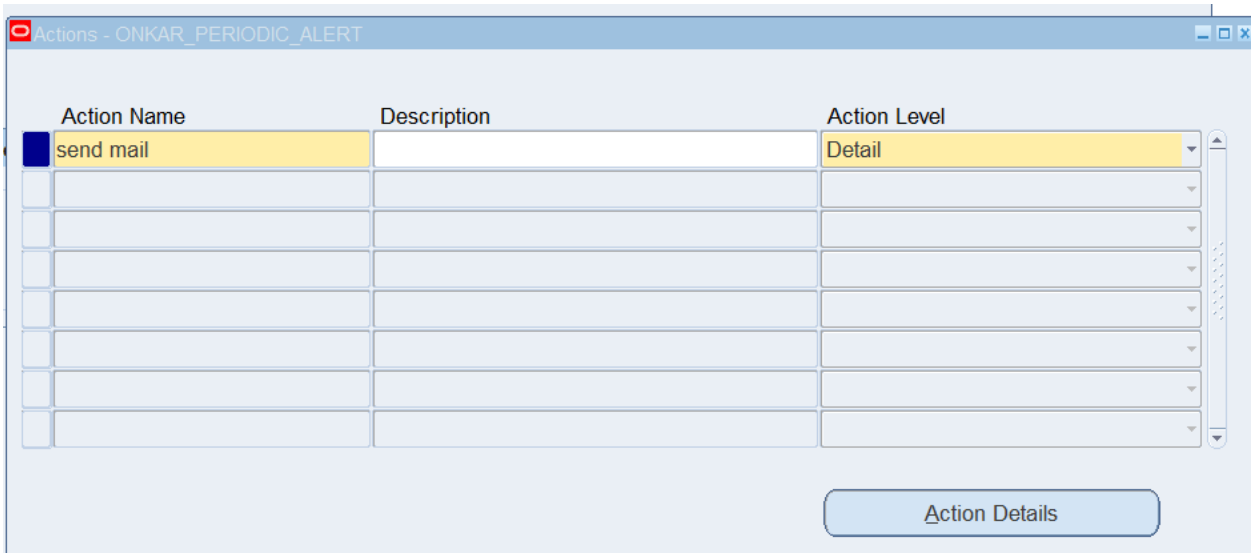
Sysadmin > alert manager, vision enterprise (resp)> define



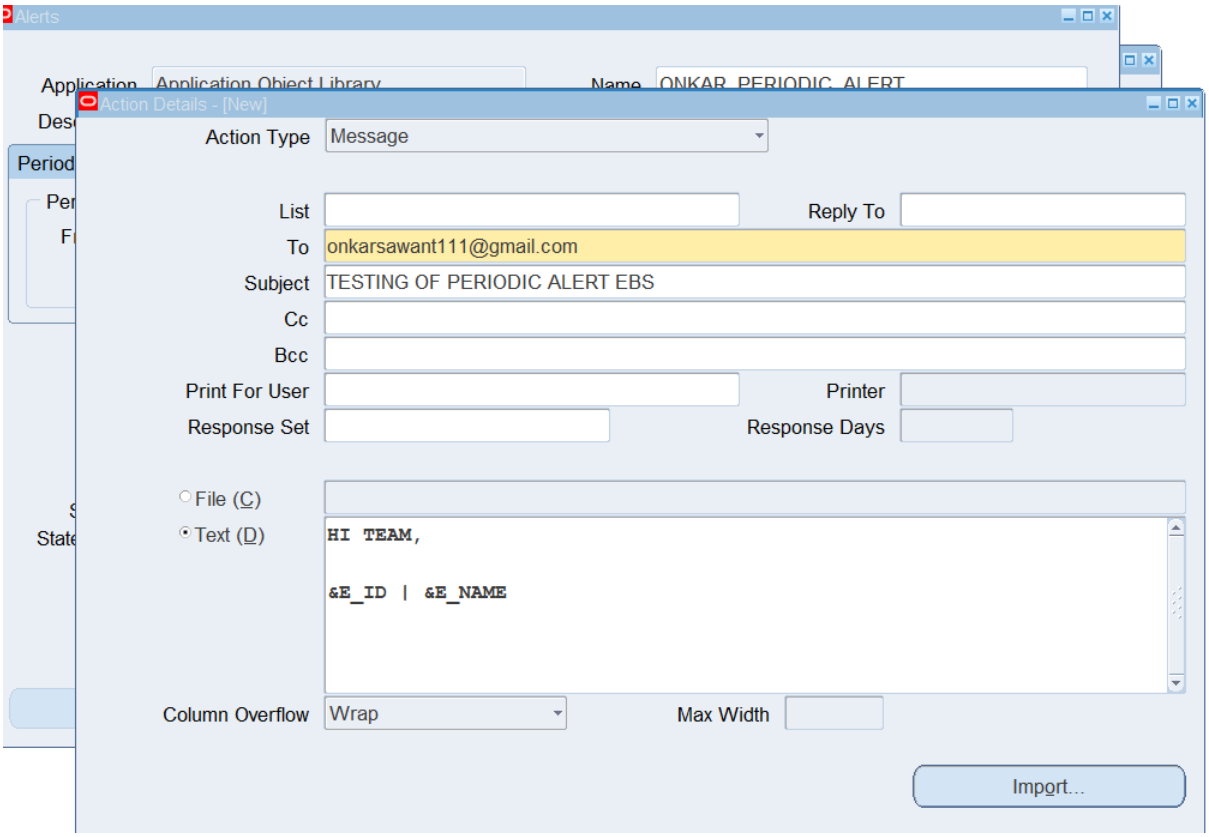
FREQUENCY : ON DEMAND (FOR TESTING PURPOSE)

Every n day means all the days in calender > now click on action



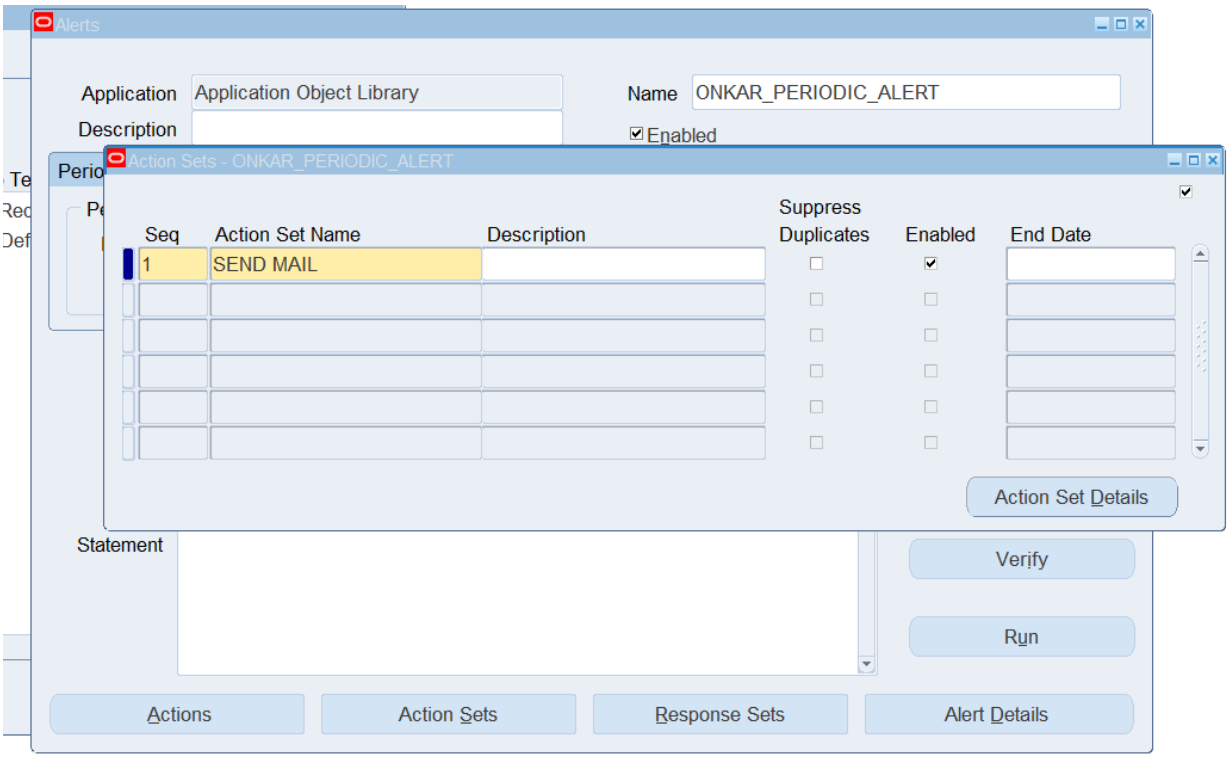


Detail means in only one line while in summary it's like looping and summarize info is passed.

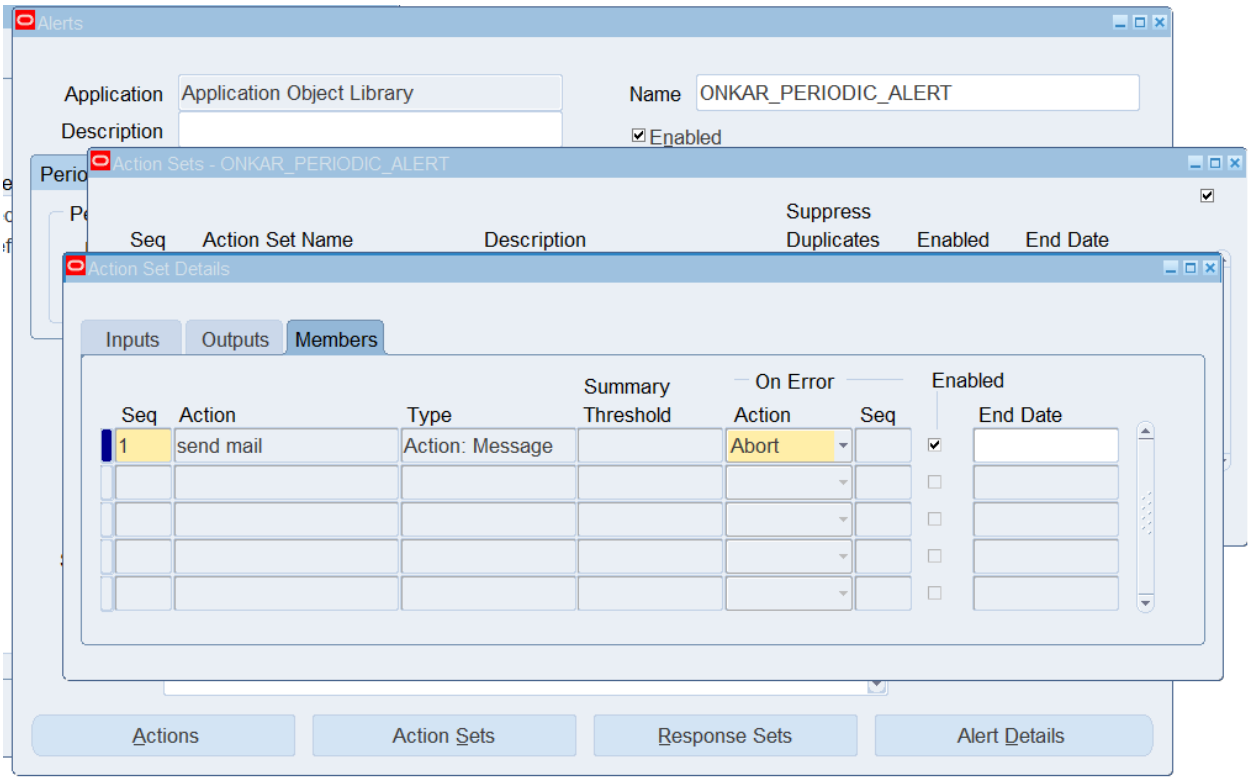


SAVE IT.

NOW DEFINE ACTION SETS:

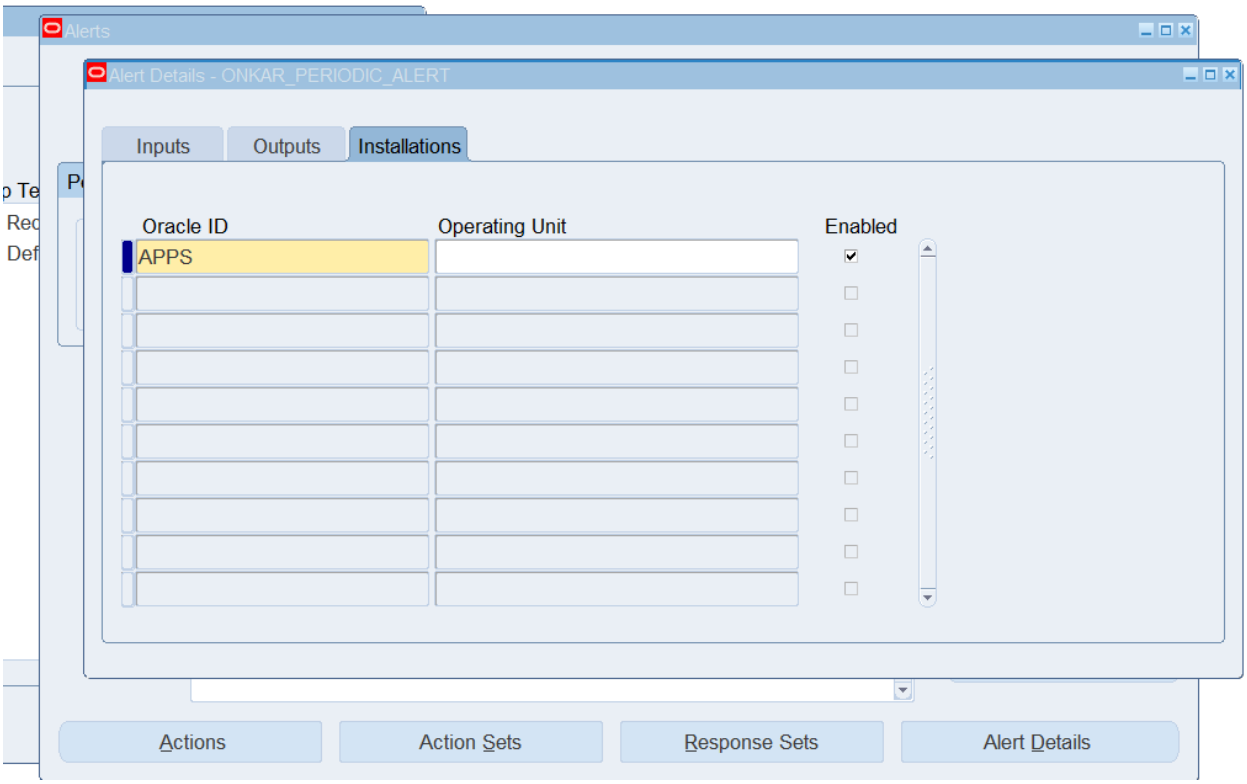


ACTION SETS DETAILS > OUTPUT

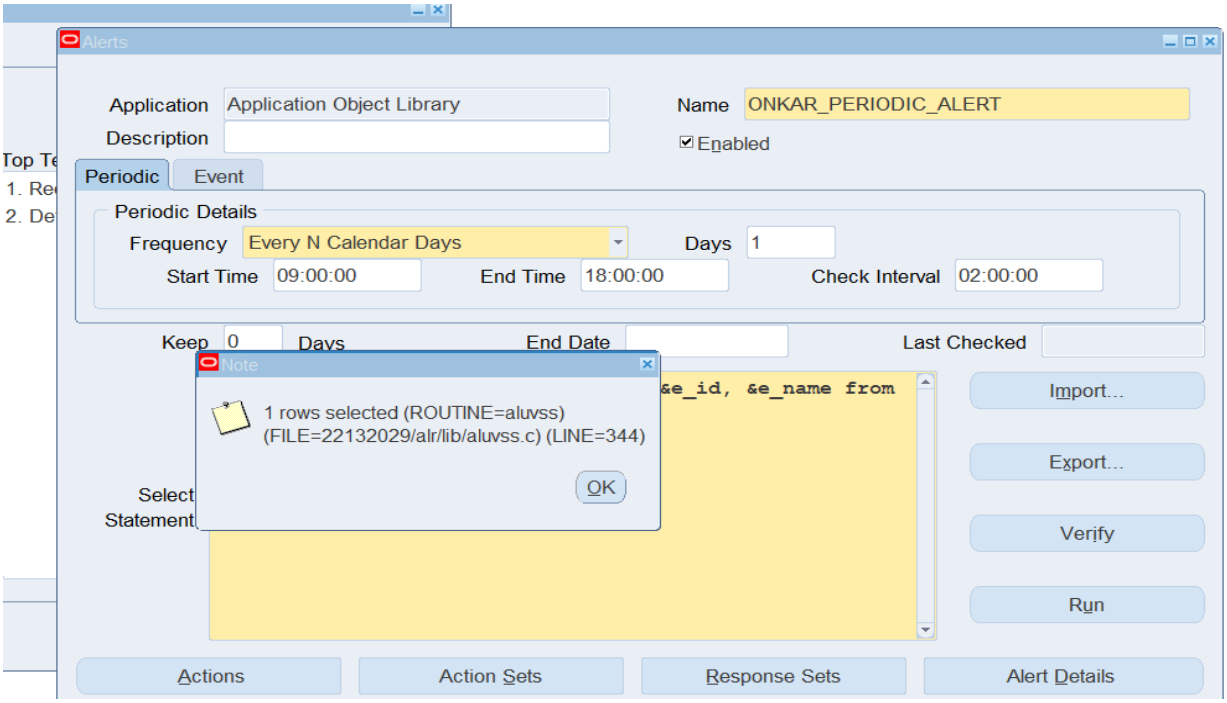


NOW GO TO ALERT DETAILS :

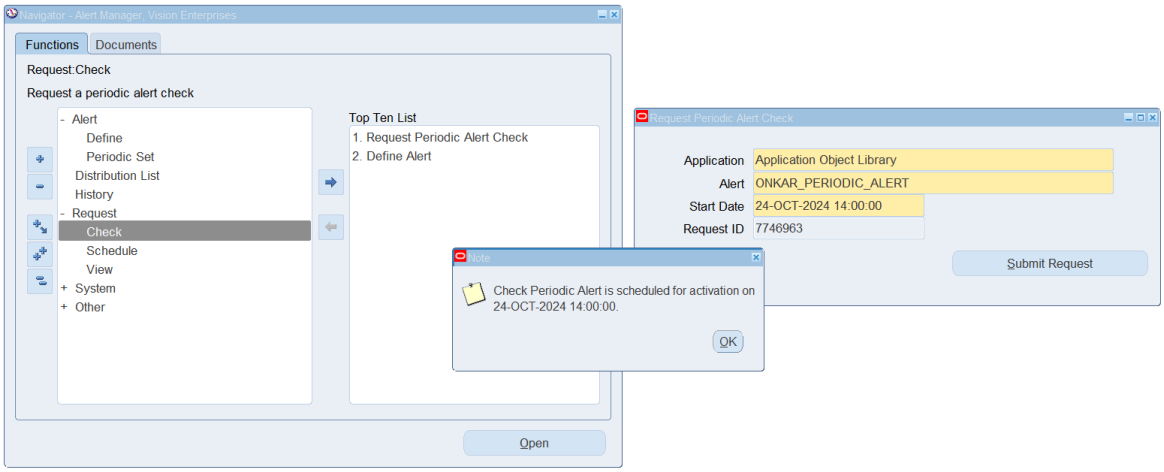
ADD OUR ORGANISATION DETAILS IN OPERATING UNIT :



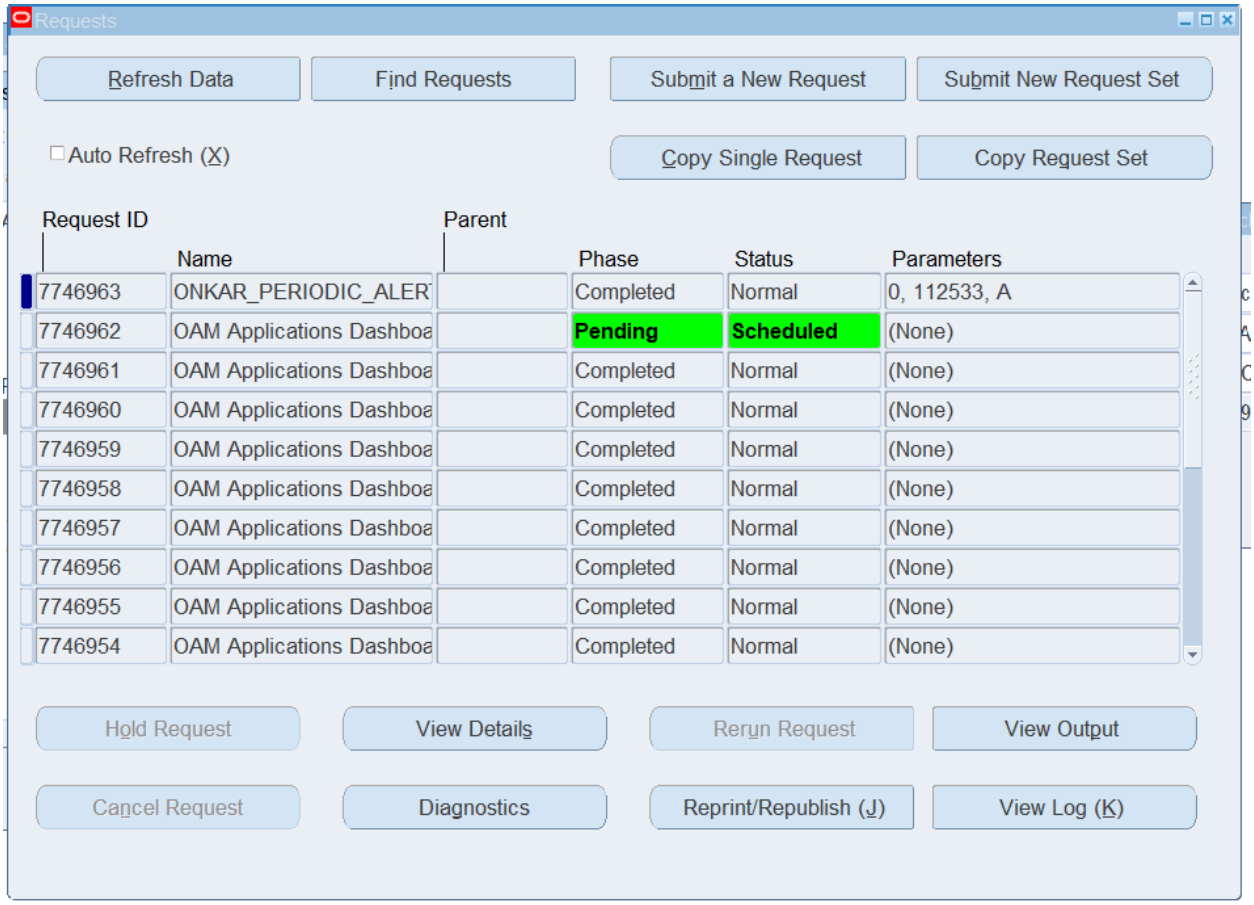
FIRST VERIFY AND THEN RUN .



ALERT > REQUEST > CHECK

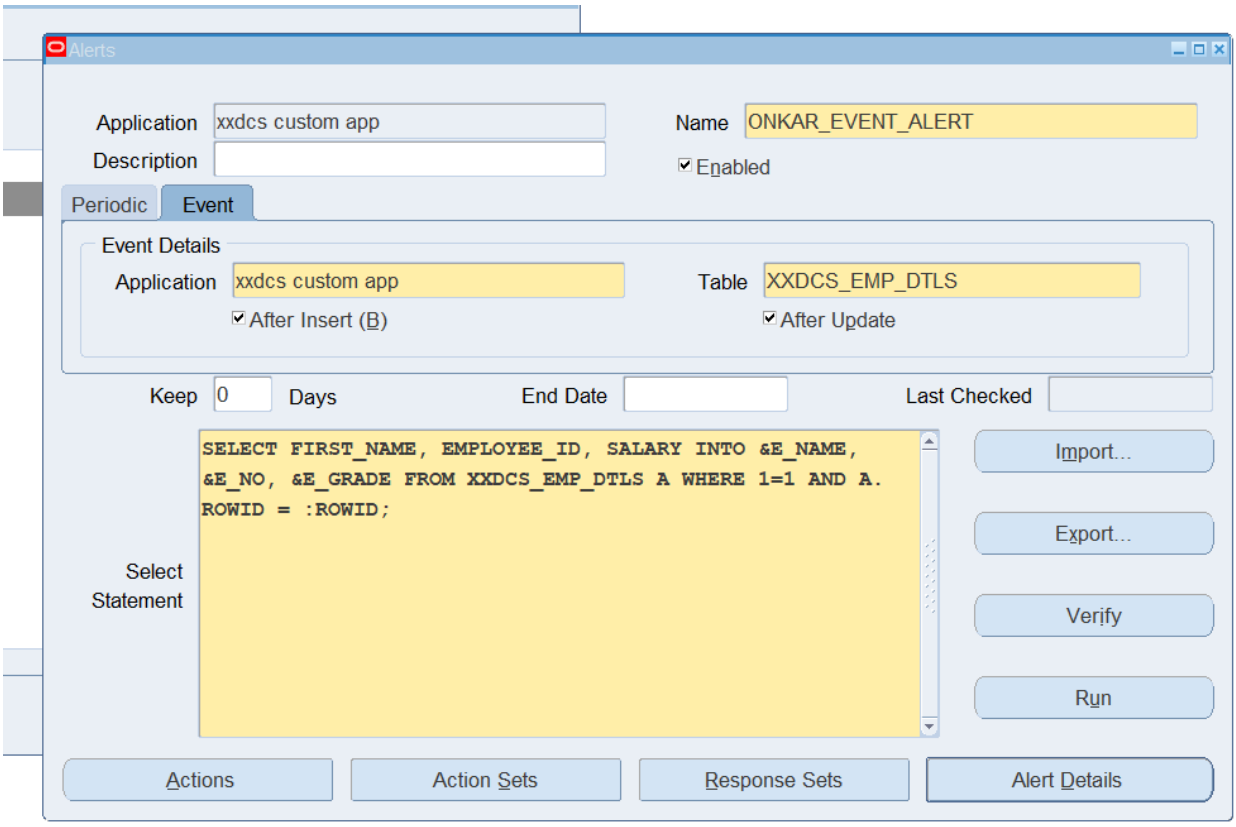


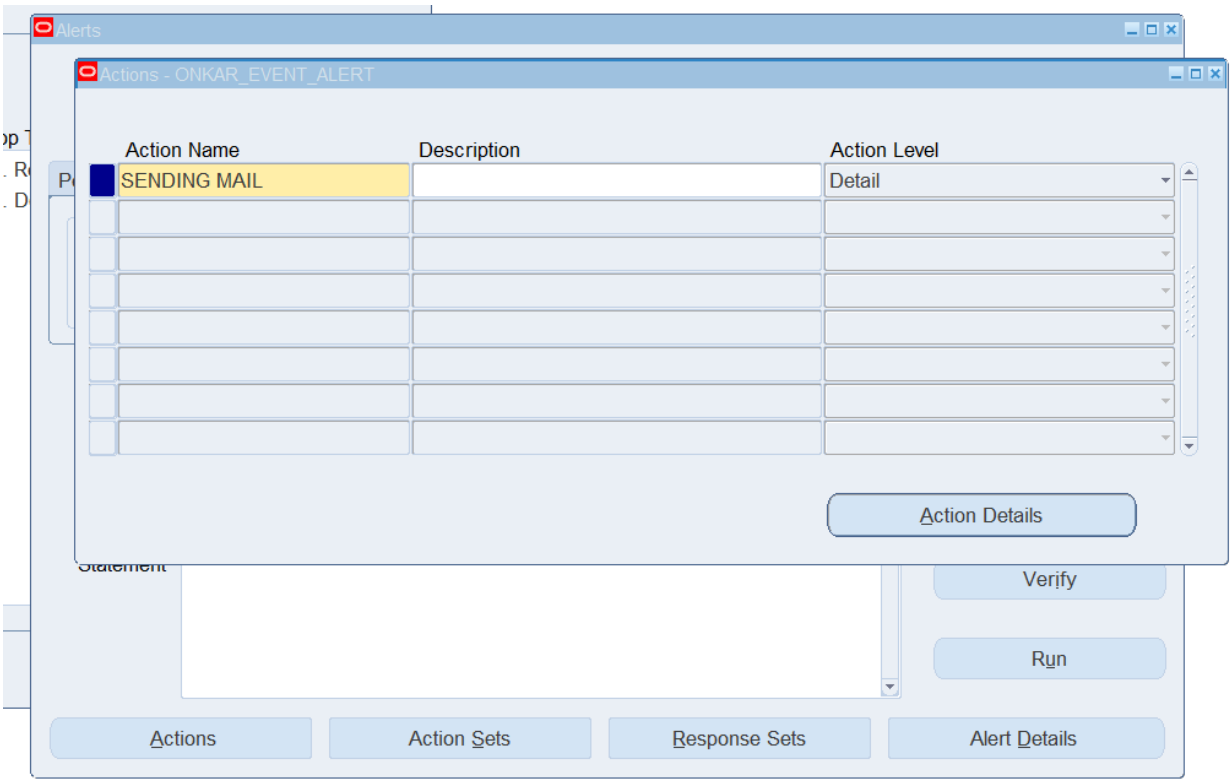
NOW GO TO VIEW> REQUEST CHECK THE ALERT

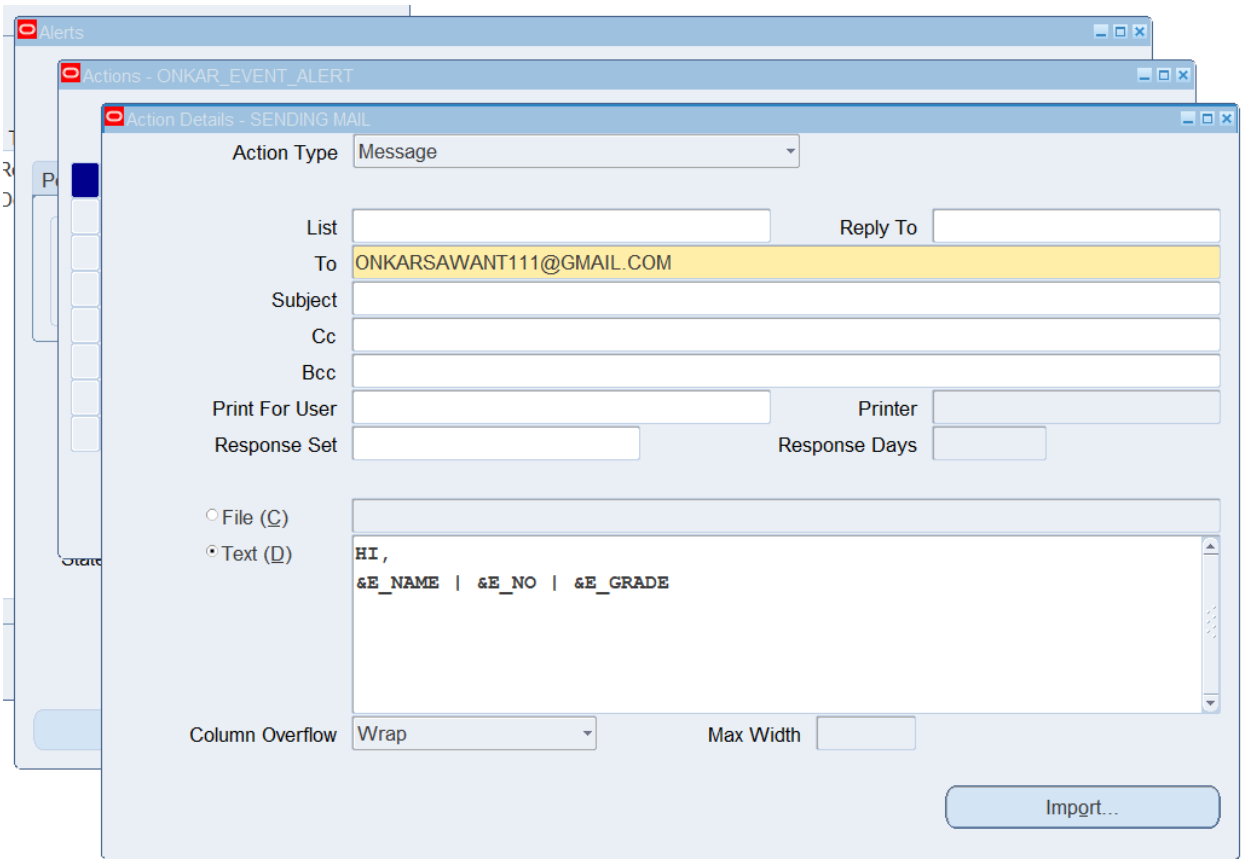


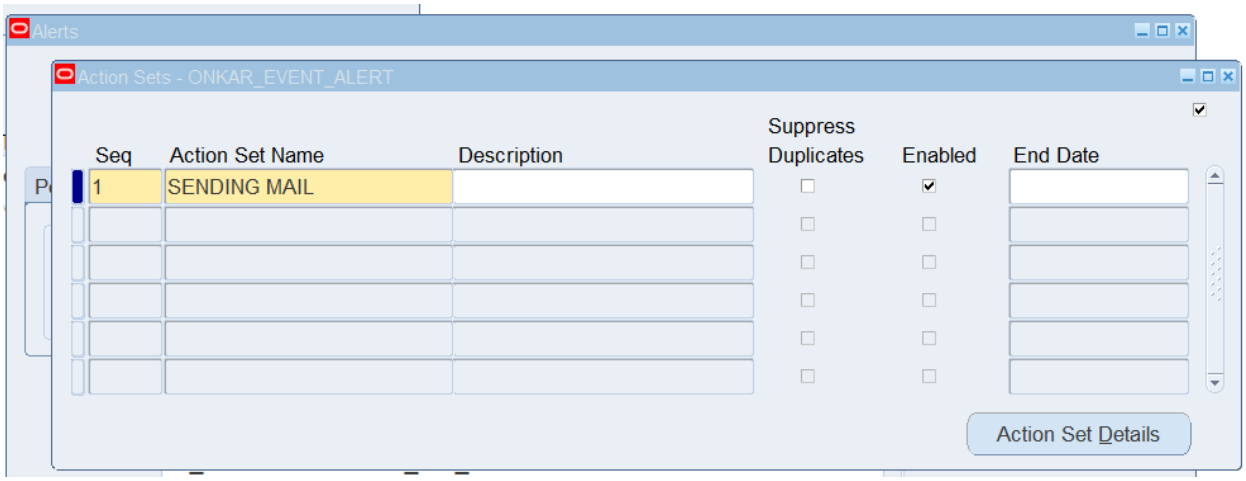
2. **Event based alerts :**

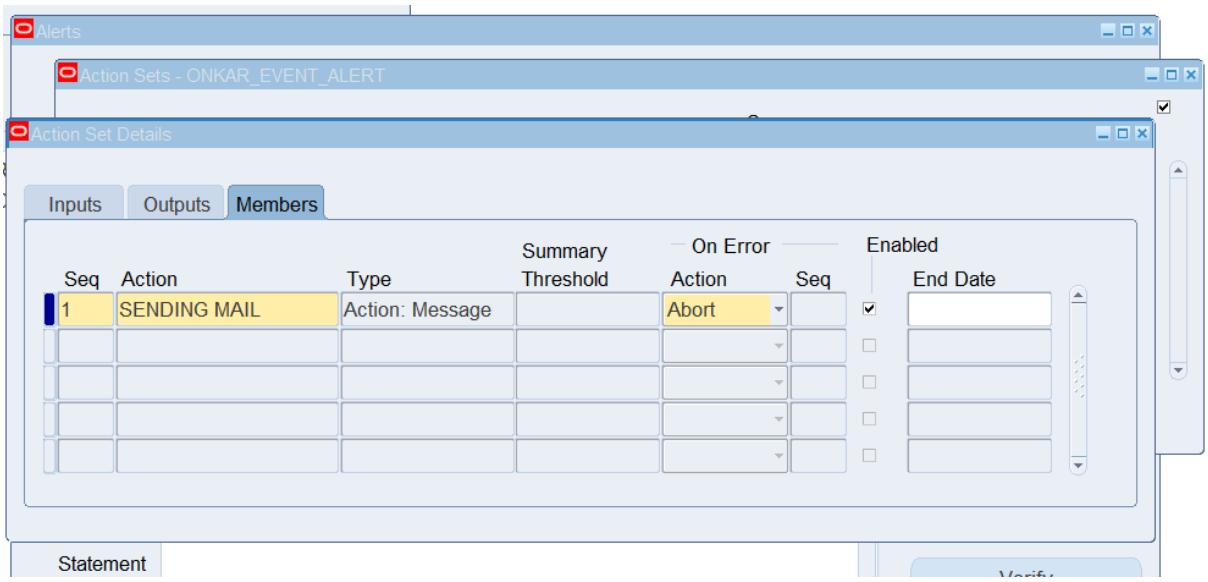
SYSADMIN > ALERT MANAGER > DEFINE


Alerts
Application
xxdcs custom app
Name
ONKAR_EVENT_ALERT
Description
Enabled
Periodic
Event
Event Details
Application
xxdcs custom app
Table
XXDCS_EMP_DTLS
After Insert (B)
After Update
Keep
0
Days
End Date
Last Checked
SELECT FIRST_NAME, EMPLOYEE_ID, SALARY INTO &E_NAME,
&E_NO, &E_GRADE FROM XXDCS_EMP_DTLS A WHERE 1=1 AND A.
ROWID = :ROWID;
Select Statement
Import...
Export...
Verify
Run
Actions
Action Sets
Response Sets
Alert Details


Alerts
Actions - ONKAR_EVENT_ALERT
Action Name
Description
Action Level
SENDING MAIL
Detail
Action Details
Verify
Run
Actions
Action Sets
Response Sets
Alert Details


Alerts
Actions - ONKAR_EVENT_ALERT
Action Details - SENDING MAIL
Action Type
Message
List
Reply To
To
ONKARSAWANT111@GMAIL.COM
Subject
Cc
Bcc
Print For User
Printer
Response Set
Response Days
File (C)
Text (D)
HI,
&E_NAME | &E_NO | &E_GRADE
Column Overflow
Wrap
Max Width
Import...


Alerts
Action Sets - ONKAR_EVENT_ALERT
Seq
Action Set Name
Description
Suppress Duplicates
Enabled
End Date
1
SENDING MAIL
Action Set Details



ebsdb

Worksheet | Query Builder

```
SELECT * FROM FND_TABLES
WHERE TABLE_NAME ='XXDCS_EMP_DTLS';

SELECT * FROM fnd_application;
SELECT * FROM fnd_responsibility;

SELECT user_id, user_name
FROM fnd_user
WHERE user_name = 'SYSADMIN';

SELECT application_id, APPLICATION_SHORT_NAME
FROM fnd_application
WHERE APPLICATION_SHORT_NAME LIKE 'XX%';

SELECT responsibility_id, responsibility_key
FROM fnd_responsibility
WHERE responsibility_key LIKE '%ALERT%';

SELECT * FROM XXDCS_EMP_DTLS;


BEGIN
fnd_global.apps_initialize(55555,20456,0);
INSERT INTO XXDCS_EMP_DTLS(EMPLOYEE_ID,FIRST_NAME,EMAIL,SALARY,DEPARTMENT_ID) VALUES(1000,'ONKAR','ONKAR@',25000,10);
COMMIT;
END;
```

Script Output | Query Result

SQL | All Rows Fetched: 4 in 0.022 seconds

	EMPLOYEE_ID	FIRST_NAME	EMAIL	SALARY	DEPARTMENT_ID
1	101	ORACLE	ORACL123	120000	10
2	102	Diya	DIYAL123	100000	20
3	103	Ram	Ram@rty	90000	50
4	1000	ONKAR	ONKAR@	25000	10

CODE FOR CREATING CUSTOM APP AND CUSTOM TABLE :

```
CREATE TABLE XXDCS_EMP_DTLS AS SELECT EMPLOYEE_ID,FIRST_NAME, EMAIL,
SALARY, DEPARTMENT_ID FROM EMPLOYEES WHERE 1=0;



SELECT * FROM XXDCS_EMP_DTLS;



--REGISTER TABLE

DECLARE


CURSOR C1 IS


SELECT (select APPLICATION_SHORT_NAME from fnd_application where APPLICATION_ID
=

(select APPLICATION_ID from fnd_application_tl where APPLICATION_NAME = 'xxdcs
custom app')) APP_SHORT_NAME,

A.OBJECT_NAME, 'T' TABLE_T,  A.OWNER

FROM DBA_OBJECTS A

WHERE 1=1
```

```
AND TRIM(A.OBJECT_NAME) NOT IN (SELECT TABLE_NAME FROM FND_TABLES)
AND A.OBJECT_NAME LIKE 'XXDCS_EMP_DTLS'
--AND A.OBJECT_TYPE NOT IN ('SYNONYM')
;

BEGIN

  FOR I IN C1 LOOP

    AD_DD.REGISTER_TABLE (I.APP_SHORT_NAME,I.OBJECT_NAME,I.TABLE_T);

  END LOOP;

END;



SELECT * FROM FND_TABLES
WHERE TABLE_NAME ='XXDCS_EMP_DTLS';



--REGISTER COLUMNS
DECLARE

CURSOR C1 IS
SELECT (SELECT APPLICATION_SHORT_NAME FROM FND_APPLICATION WHERE
APPLICATION_ID  =
```

```
   (SELECT APPLICATION_ID FROM FND_APPLICATION_TL WHERE APPLICATION_NAME =
'xxdcs custom app')) APP_SHORT_NAME,

TABLE_NAME,COLUMN_NAME,DATA_TYPE,DATA_LENGTH,COLUMN_ID,NULLABLE,OWN
ER
   FROM DBA_TAB_COLUMNS
   WHERE TABLE_NAME IN ( SELECT OBJECT_NAME FROM DBA_OBJECTS A WHERE
A.OBJECT_NAME LIKE 'XXDCS_EMP_DTLS')
   AND TABLE_NAME NOT IN (SELECT TABLE_NAME FROM FND_TABLES WHERE TABLE_ID
IN (SELECT TABLE_ID FROM FND_COLUMNS));

BEGIN

   FOR I IN C1 LOOP

     AD_DD.REGISTER_COLUMN (I.APP_SHORT_NAME, I.TABLE_NAME,I.COLUMN_NAME,
I.COLUMN_ID, I.DATA_TYPE, I.DATA_LENGTH, 'N', 'N');

   END LOOP;

END;



SELECT * FROM FND_COLUMNS
WHERE TABLE_ID =(SELECT TABLE_ID FROM FND_TABLES
WHERE TABLE_NAME ='XXDCS_EMP_DTLS');
```

```
--REGISTER PRIMARY KEY

DECLARE


CURSOR C1 IS


   SELECT (SELECT APPLICATION_SHORT_NAME FROM FND_APPLICATION WHERE
APPLICATION_ID  =

   (SELECT APPLICATION_ID FROM FND_APPLICATION_TL WHERE APPLICATION_NAME =
'xxdcs custom app')) APP_SHORT_NAME,


TABLE_NAME,COLUMN_NAME,DATA_TYPE,DATA_LENGTH,COLUMN_ID,NULLABLE,OWN
ER

   FROM DBA_TAB_COLUMNS

   WHERE TABLE_NAME IN ( SELECT OBJECT_NAME FROM DBA_OBJECTS A WHERE
A.OBJECT_NAME LIKE 'XXDCS_EMP_DTLS')

   AND TABLE_NAME NOT IN (SELECT TABLE_NAME FROM FND_TABLES WHERE TABLE_ID
IN (SELECT TABLE_ID FROM FND_PRIMARY_KEYS))

   AND COLUMN_NAME = 'EMPLOYEE_ID'

   ;


BEGIN


   FOR I IN C1 LOOP
```

```
AD_DD.REGISTER_PRIMARY_KEY(I.APP_SHORT_NAME,I.COLUMN_NAME,I.TABLE_NAME,I
.DATA_TYPE,'S','Y','Y');


     AD_DD.REGISTER_PRIMARY_KEY_COLUMN(I.APP_SHORT_NAME, I.COLUMN_NAME,
I.TABLE_NAME, I.COLUMN_NAME, 1);



   END LOOP;


END;


--Check our event base alert using this query--
-------------------------------------------------------------------------------
SELECT REQUEST_ID

, REQUEST_DATE

, PHASE_CODE

, STATUS_CODE

, ORACLE_ID

, PROGRAM_APPLICATION_ID

, CONCURRENT_PROGRAM_ID

FROM APPLSYS.FND_CONCURRENT_REQUESTS

where Concurrent_program_id = (select Concurrent_program_id from
fnd_concurrent_programs_tl where

USER_CONCURRENT_PROGRAM_NAME = 'Check Event Alert') order by request_date
desc;
```