Creation of Item

Step 1: **Create a Staging table**.

```
create table Item_staging_tbl(    segment1 varchar2(40),
                        description varchar2(150),
                        template_name varchar2(40),
                        organization_code varchar2(3),
                        process_flag char(1),
                        error_message varchar2(2000),
                        creation_date date,
                        created_by number,
                        last_update_date date,
                        last_updated_by number);
```

Step 2 : **Create a CTL file.**

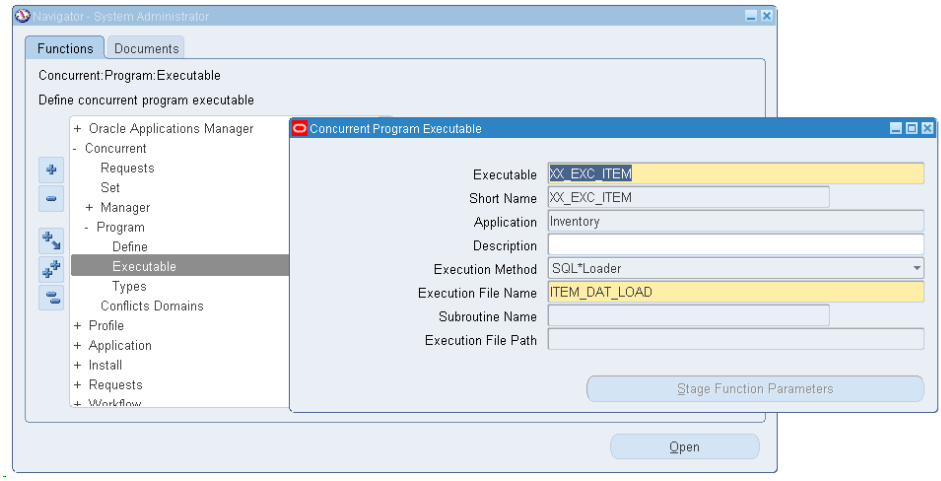
```
options(SKIP=0)
LOAD DATA
infile *
TRUNCATE
INTO TABLE Item_staging_tbl
FIELDS TERMINATED BY ','
OPTIONALLY ENCLOSED BY '"'
TRAILING NULLCOLS    ( segment1 ,
                       description ,
                       template_name ,
                       organization_code ,
                       process_flag            "nvl(:process_flag, 'N')" ,
                       error_message ,
                       creation_date            SYSDATE,
                       created_by              "fnd_global.user_id",
                       last_update_date         SYSDATE ,
                       last_updated_by          "fnd_global.user_id")
```

Step 3: **Create a CSV File.**

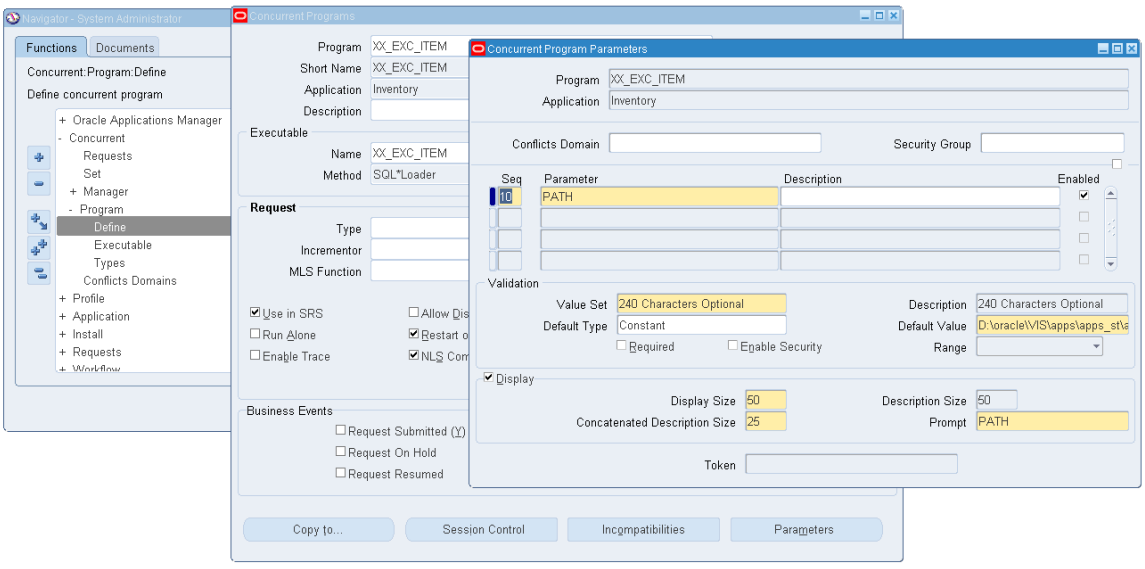
```
                    Purchased
909090    Tower     Item          V1        N
                    Purchased
909091    Leg       Item          V1        N
                    Purchased
909092    Bracing   Item          V1        N
                    Purchased
909093    Stub      Item          V1        N
```

Step 4: **Create a Concurrent Program to Load the Data from CSV file to Staging table.**

- Create **Executable**
  - Executable : **XX_EXC_ITEM**
  - Short Name: **XX_EXC_ITEM**
  - Application: **Inventory**
  - Execution Method: **SQL*Loader**
  - Execution File Name: **ITEM_DAT_LOAD**

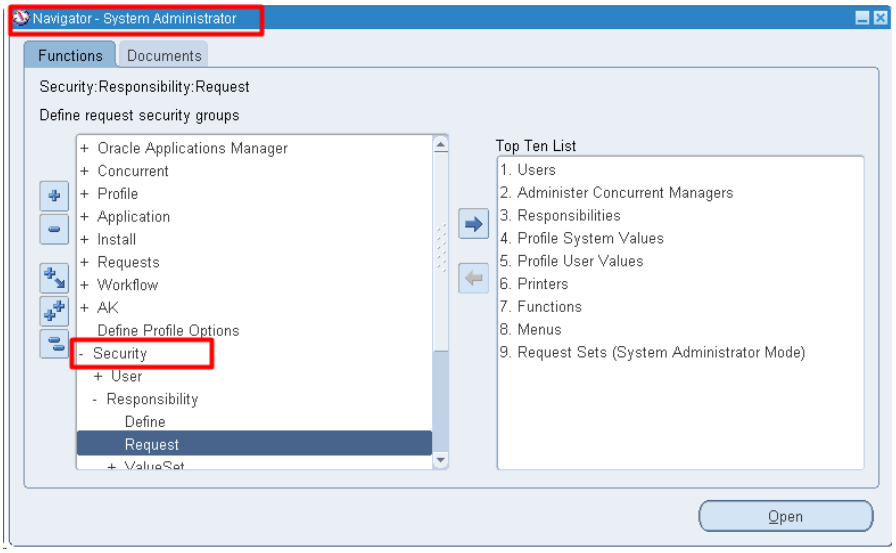


- Create Concurrent Program for that executable.
  - Program: **XX_EXC_ITEM**
  - Short Name: **XX_EXC_ITEM**
  - Application: **Inventory**
  - Executable Name : **XX_EXC_ITEM**
  - Method: **SQL*Loader**
  - Parameters
    - Path: D:\oracle\VIS\apps\apps_st\appl\inv\12.0.0\bin\ XXCUSITEMIMPORT.csv



- **Request Group**

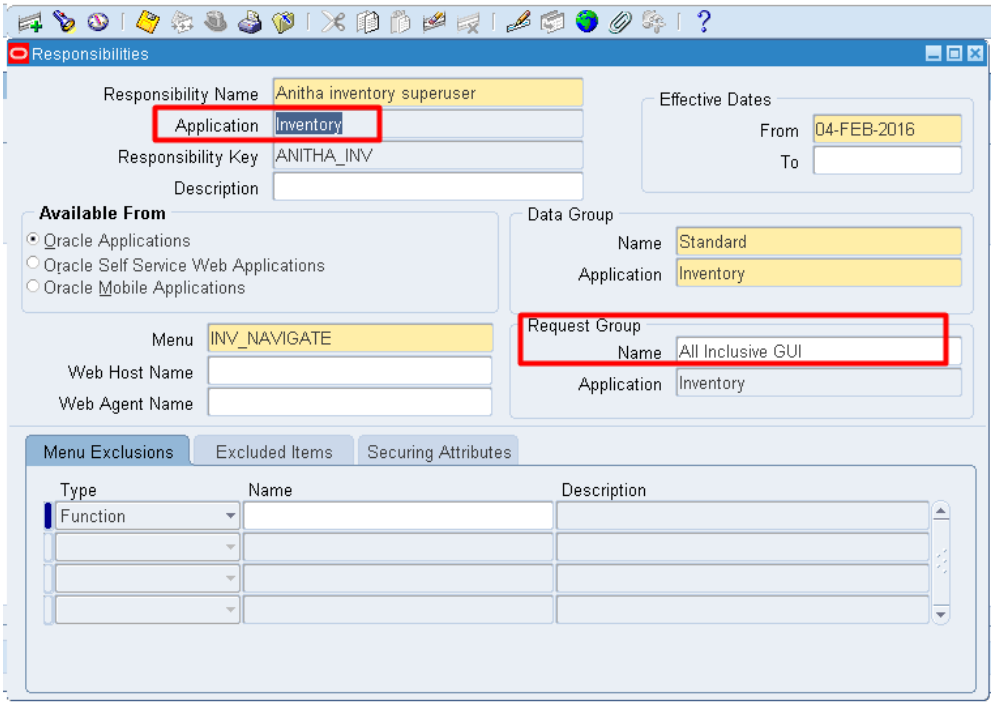
Navigation→ System Administrator→ Security → Request



Responsibility name- Inventory, Vision Operation(USA)

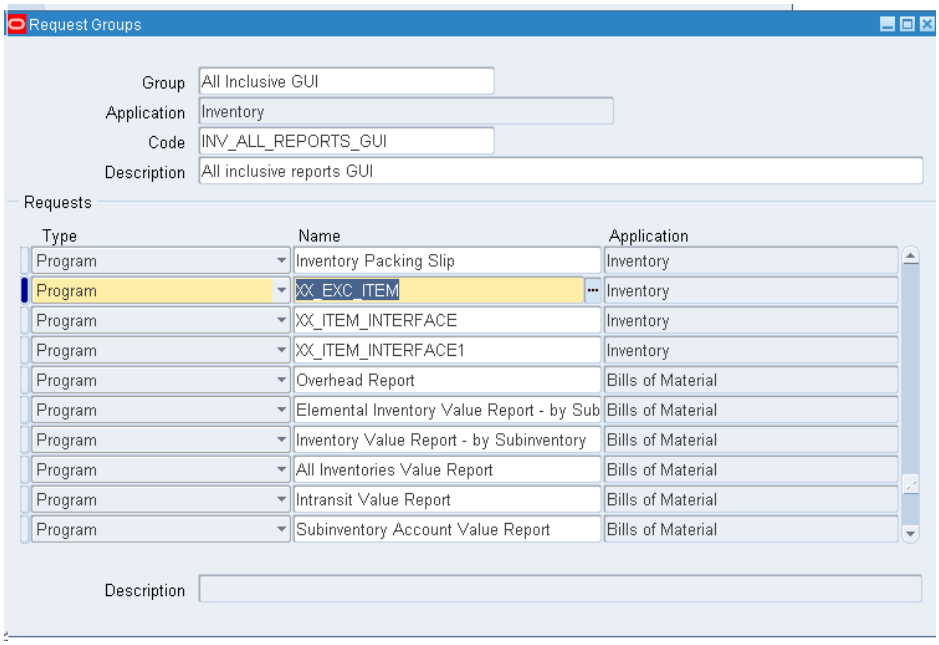
Application – Inventory

Request Group Name – All Inclusive GUI



- **Assign to Suitable Responsibility**

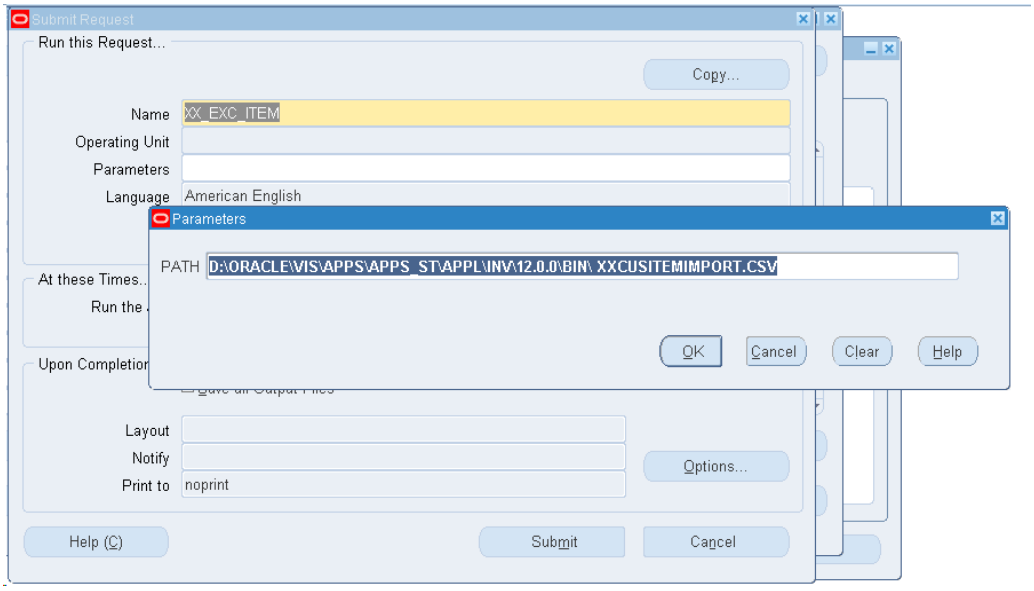
Assign the Concurrent Program to the existing Group

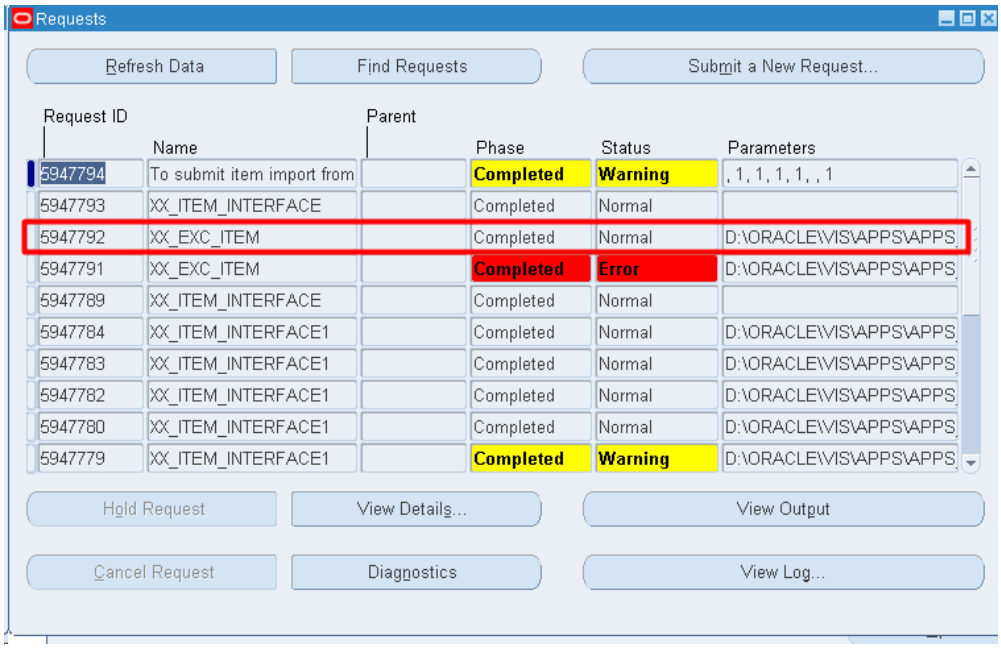


Go to Inventory, Vision Operation(USA) Responsibility.

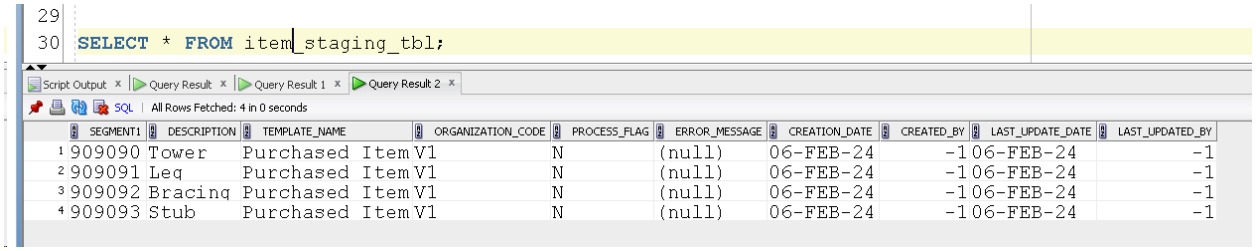
View→ Request→ submit a new Request

- Name → **XX_EXC_ITEM**
- Parameters





Then all the data in CSV file was load in Staging table



```
29
30  SELECT * FROM item_staging_tbl;
```

Script Output | Query Result | Query Result 1 | Query Result 2

SQL | All Rows Fetched: 4 in 0 seconds

	SEGMENT1	DESCRIPTION	TEMPLATE_NAME	ORGANIZATION_CODE	PROCESS_FLAG	ERROR_MESSAGE	CREATION_DATE	CREATED_BY	LAST_UPDATE_DATE	LAST_UPDATED_BY
1	909090	Tower	Purchased Item V1		N	(null)	06-FEB-24	-1	06-FEB-24	-1
2	909091	Leg	Purchased Item V1		N	(null)	06-FEB-24	-1	06-FEB-24	-1
3	909092	Bracing	Purchased Item V1		N	(null)	06-FEB-24	-1	06-FEB-24	-1
4	909093	Stub	Purchased Item V1		N	(null)	06-FEB-24	-1	06-FEB-24	-1

Then Create a Package with All required Validation .

The data will import from Stagging table to Interface table and Also Interface table to base table ..

Package:

```
CREATE OR REPLACE PACKAGE pkg_item_import1
IS
  PROCEDURE prc_item_import1(errbuf OUT VARCHAR2, retcode OUT NUMBER);
END;
```

```
CREATE OR REPLACE PACKAGE BODY pkg_item_import1
IS
  g_user_id   fnd_user.user_id%TYPE;
  g_login_id  NUMBER(15)          := 0;

  PROCEDURE prc_item_import1(errbuf OUT VARCHAR2, retcode OUT NUMBER)
  IS
```

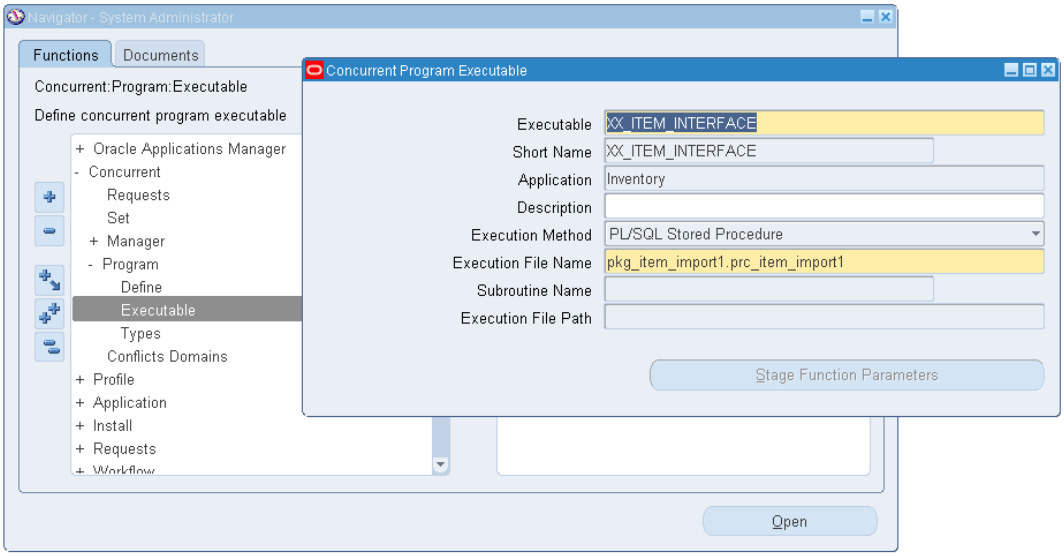
```
    CURSOR c1
    IS
      SELECT a.ROWID row_id, a.*
       FROM item_staging_tbl a
       WHERE a.process_flag = 'N';

    e_flag            CHAR (1);
    e_msg             VARCHAR2 (2000);
    l_count           NUMBER        := 0;
    n_organization_id  NUMBER;
    xx_org            VARCHAR2(10);
    n_segment1        VARCHAR2(100);
    lv_template_name  varchar2(100);
    n_request_id      number;
  BEGIN
  DBMS_OUTPUT.put_line ('ENTER THE LOOP');
    FOR i IN c1
    LOOP
      e_flag := 'Y';
      l_count := l_count + 1;
      e_msg := NULL;
      DBMS_OUTPUT.put_line ('1. ' || i.organization_code);

      SELECT organization_id
       INTO n_organization_id
       FROM mtl_parameters
       WHERE organization_code = i.organization_code;

---------- organization_code VALIDATION ----------
      IF i.organization_code IS NOT NULL
      THEN
        BEGIN
          SELECT organization_code
           INTO xx_org
           FROM mtl_parameters
           WHERE organization_id =
                    (SELECT master_organization_id
                     FROM mtl_parameters
                     WHERE organization_code = i.organization_code);

          DBMS_OUTPUT.put_line ('THE CODE ORG CODE IS ' || xx_org);
        EXCEPTION
```

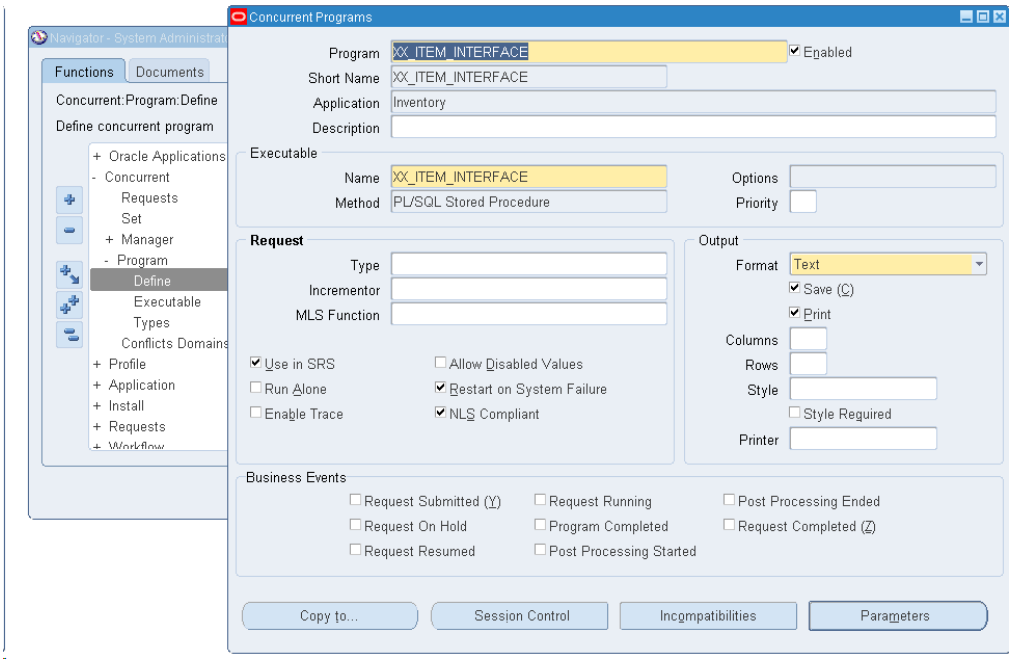
```
          WHEN OTHERS
          THEN
            e_flag := 'E';
            e_msg := 'organization code IS INVLID ';
            DBMS_OUTPUT.put_line ('CODE IS  ' || e_msg);
        END;
      END IF;

------------------------ ITEM CODE VALIDATIONS ----------------------
      IF i.segment1 IS NOT NULL
      THEN
        BEGIN
          SELECT 1
           INTO n_segment1
           FROM mtl_system_items_b msib
           WHERE segment1 = i.segment1
            AND organization_id = n_organization_id;

          IF n_segment1 <> 0
          THEN
            e_msg := 'Item Code is Existed';
            DBMS_OUTPUT.put_line ('N_SEGMENT1: ' || l_count);
          END IF;
        EXCEPTION
          WHEN OTHERS
          THEN
            NULL;
        END;
      END IF;
        ------------------------------------Tempalate Name is Existed or not-----------------------------------
      IF i.template_name IS NOT NULL
      THEN
        BEGIN
          SELECT template_name
           INTO lv_template_name
           FROM mtl_item_templates
           WHERE template_name = i.template_name;
        EXCEPTION
          WHEN OTHERS
          THEN
            e_msg := e_msg || ',' || 'Template name is not existed';
            DBMS_OUTPUT.put_line ('n_template: ' || l_count);
```

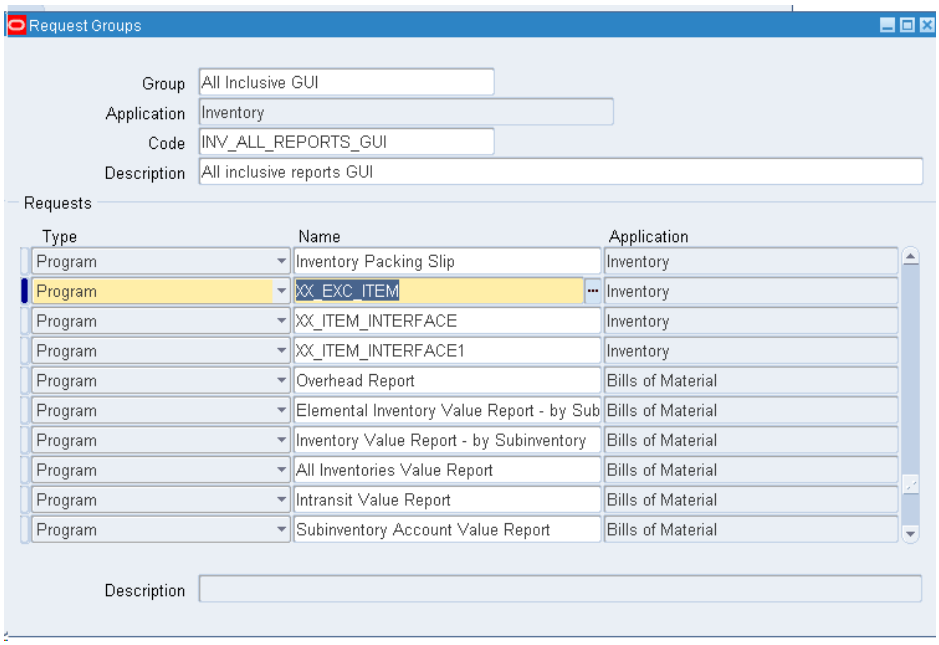
```
    END;
  END IF;

  IF e_flag = 'Y'
  THEN
    INSERT INTO mtl_system_items_interface
               (segment1, description, template_name,
                organization_code,
                organization_id,
                transaction_type, process_flag, creation_date,
                created_by, last_update_date, last_updated_by
               )
        VALUES (i.segment1, i.description, i.template_name,
                i.organization_code,
                (SELECT organization_id
                   FROM mtl_parameters
                  WHERE organization_code = i.organization_code),
                'CREATE', 1, SYSDATE,
                fnd_global.user_id, SYSDATE, fnd_global.user_id
               );

    IF SQL%ROWCOUNT <> 0
    THEN
      UPDATE item_staging_tbl
        SET process_flag = 'S'
       WHERE ROWID = i.row_id;

      COMMIT;
    END IF;
  ELSE
    UPDATE item_staging_tbl
      SET process_flag = 'E'
     WHERE ROWID = i.row_id;
  END IF;
END LOOP;
 n_request_id :=
  fnd_request.submit_request ('INV',
                              'INCOIN',
                              'To submit item import from backend',
                              NULL,
                              FALSE,
                              fnd_profile.VALUE ('MFG_ORGANIZATION_ID'),
```

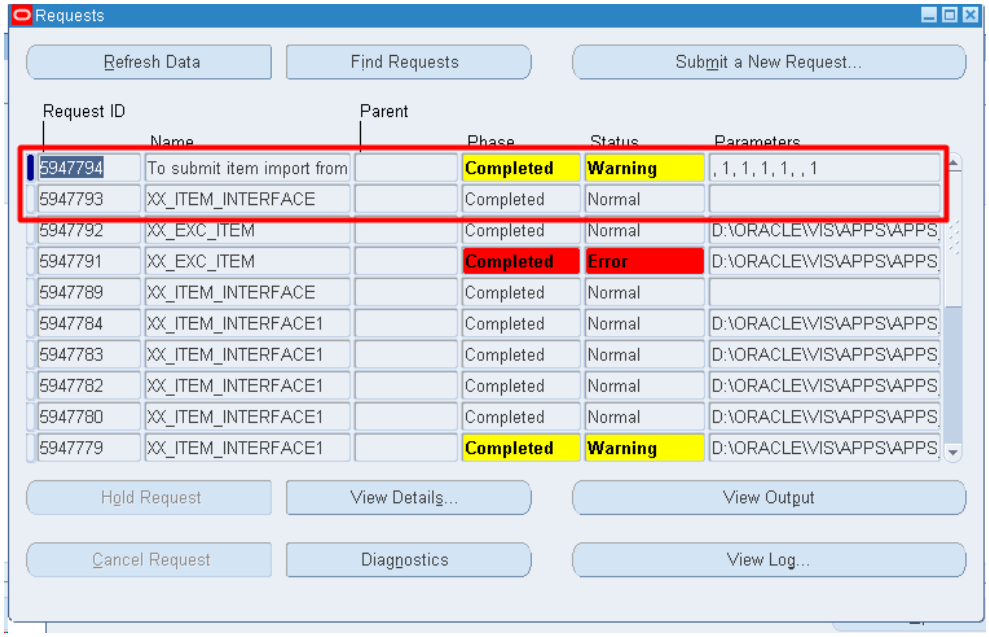
```
                    1,
                    1,
                    1,
                    1,
                    NULL,
                    1
                   );
    COMMIT;
  END;
END;
/
```

- Create a Executable for Package.







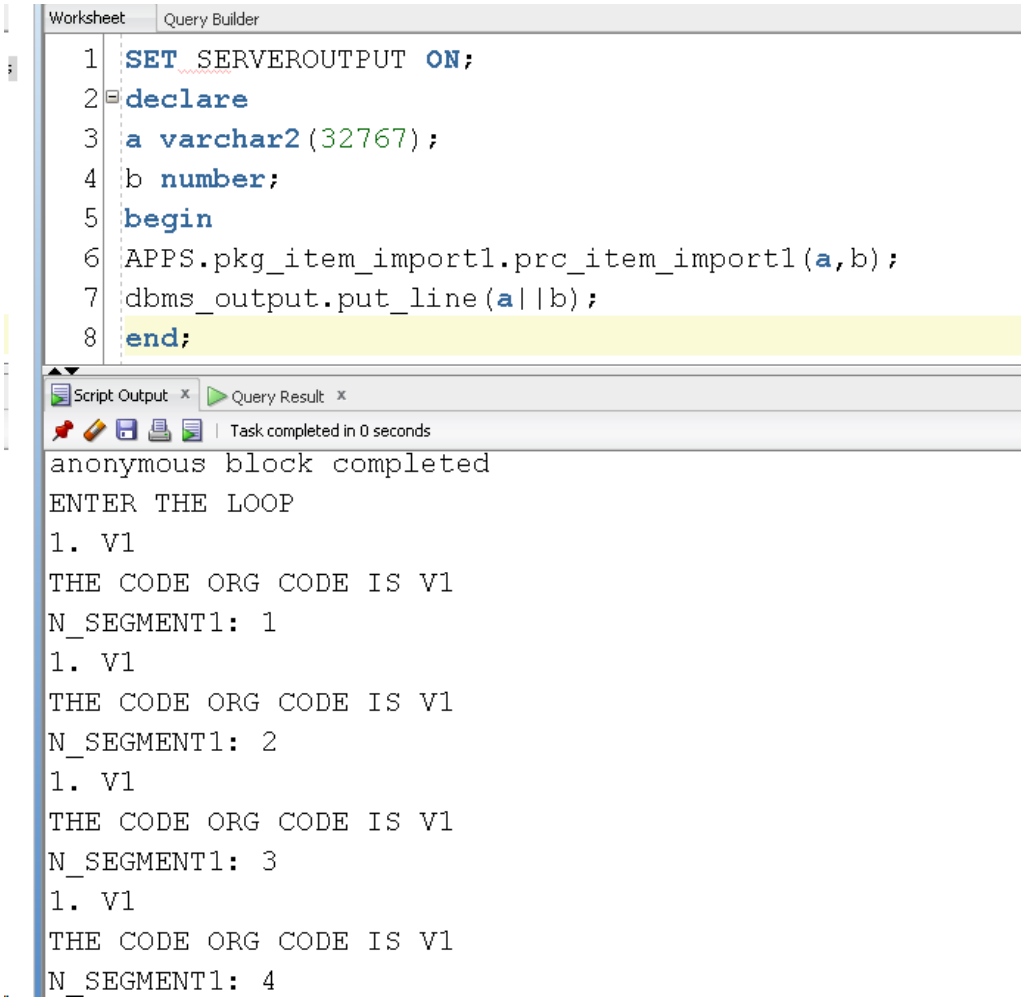


Or else RUN the Package in Backend :

```
SET SERVEROUTPUT ON;
declare
a varchar2(32767);
b number;
begin
APPS.pkg_item_import1.prc_item_import1(a,b);
dbms_output.put_line(a||b);
end;
```

OUTPUT:

anonymous block completed
ENTER THE LOOP
1. V1
THE CODE ORG CODE IS V1
N_SEGMENT1: 1
1. V1
THE CODE ORG CODE IS V1
N_SEGMENT1: 2
1. V1
THE CODE ORG CODE IS V1
N_SEGMENT1: 3
1. V1
THE CODE ORG CODE IS V1
N_SEGMENT1: 4



select * from mtl_system_items_interface
where SEGMENT1 in ('909090','909091','909092','909093');

```
22  select * from mtl_system_items_interface
23   where SEGMENT1 in ('909090','909091','909092','909093');
```

Script Output | Query Result | SQL | All Rows Fetched: 8 in 0.031 seconds

	TEMPLATE_NAME	ORGANI...	PROCES...	DESCRIPTION	SEGMENT1	INVENT...	ORGANI...	LAST_UPDATE_DATE	LAST_U...	CREATI...	CREATE...
1	Purchased Item	V1	1	Tower	909090	(null)	204	06-FEB-24	-1	06-...	-1 (
2	Purchased Item	V1	1	Leg	909091	(null)	204	06-FEB-24	-1	06-...	-1 (
3	Purchased Item	V1	1	Bracing	909092	(null)	204	06-FEB-24	-1	06-...	-1 (
4	Purchased Item	V1	1	Stub	909093	(null)	204	06-FEB-24	-1	06-...	-1 (
5	Purchased Item	V1	1	Tower	909090	(null)	204	06-FEB-24	-1	06-...	-1 (
6	Purchased Item	V1	1	Leg	909091	(null)	204	06-FEB-24	-1	06-...	-1 (
7	Purchased Item	V1	1	Bracing	909092	(null)	204	06-FEB-24	-1	06-...	-1 (
8	Purchased Item	V1	1	Stub	909093	(null)	204	06-FEB-24	-1	06-...	-1 (

SELECT * from mtl_system_items_b
where SEGMENT1 in ('909090','909091','909092','909093');

```
38
39  SELECT * from mtl_system_items_b
40  where SEGMENT1 in ('909090','909091','909092','909093');
```

Script Output | Query Result | Query Result 1 | Query Result 2 | SQL | All Rows Fetched: 4 in 0.016 seconds

	SEGMENT1	DESCRIPTION	INVENTORY_ITEM_ID	ORGANIZATION...	LAST_UPDATE_DATE	LAST_UPDATED_BY	CREATI...	CREATE...	LAST_UPDATE_LOGIN	SUMMA...	ENABLE...
1	909090	Tower	251956	204	06-FEB-24	1318	06-...	1318	5632825	N	Y
2	909091	Leg	251957	204	06-FEB-24	1318	06-...	1318	5632825	N	Y
3	909092	Bracing	251958	204	06-FEB-24	1318	06-...	1318	5632825	N	Y
4	909093	Stub	251959	204	06-FEB-24	1318	06-...	1318	5632825	N	Y

Then in Stagging table Process Flag will be changed when the data is imported to interface table.

```
29
30  SELECT * FROM item_staging_tbl;
```

Script Output | Query Result | Query Result 1 | Query Result 2 | SQL | All Rows Fetched: 4 in 0 seconds

	SEGMENT1	DESCRIPTION	TEMPLATE_NAME	ORGANIZATION_CODE	PROCESS_FLAG	ERROR_MESSAGE	CREATION_DATE	CREATED_BY	LAST_UPDATE_DATE	LAST_UPDATED_BY
1	909090	Tower	Purchased Item	V1	S	(null)	06-FEB-24	-1	06-FEB-24	-1
2	909091	Leg	Purchased Item	V1	S	(null)	06-FEB-24	-1	06-FEB-24	-1
3	909092	Bracing	Purchased Item	V1	S	(null)	06-FEB-24	-1	06-FEB-24	-1
4	909093	Stub	Purchased Item	V1	S	(null)	06-FEB-24	-1	06-FEB-24	-1