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How to create a schema same as the APPS schema but has only read-only privileges?

This document describes, steps to create a schema same as APPS schema but has only read-only privileges.

Step 1. Create the user for the required schema:

```
SQL> connect system/manager
SQL> create user sachin identified by sachin default tablespace
temporary tablespace temp;
```

Here we have created user “sachin”.

Step 2. Grant connect and resource privileges to our user:

```
SQL> connect system/manager
SQL> grant connect, resource to sachin;
```

3. Use the following select statement to generate a script that will grant privileges on APPS objects to the user.

- A. This select statement should generate a script that will grant almost all required permissions to the user called sachin.
- B. This select statement is a guide only. We should work with DBA to enhance it according to our requirements.

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Connect as SYS user ,run the following script.

```
SELECT 'GRANT '
|| DECODE(O.OBJECT_TYPE,'TABLE','SELECT',
'VIEW','SELECT',
'EXECUTE')
|| ' ON '
|| DECODE(O.Owner,'PUBLIC','O.Owner || '.')
|| ''''
|| O.OBJECT_NAME
|| ''''
|| ' TO sachin;' COMMAND
FROM ALL_OBJECTS O
WHERE O.OBJECT_TYPE IN ('TABLE','PACKAGE','PACKAGE BODY','PROCEDURE',
'VIEW','FUNCTION')
UNION
SELECT 'GRANT '
|| DECODE (O2.object_type, 'TABLE', 'SELECT',
'VIEW', 'SELECT',
'EXECUTE')
|| ' ON '
|| DECODE(O.Owner,'PUBLIC','O.Owner || '.')
|| ''''
|| O.object_name
|| ''''
|| ' TO sachin;' COMMAND
FROM ALL_OBJECTS O
, ALL_OBJECTS O2
, DBA_SYNONYMS S
WHERE O.object_type = 'SYNONYM'
AND O.object_name = S.synonym_name
AND O2.object_name = S.table_name
AND O2.OBJECT_TYPE IN ('TABLE','PACKAGE','PACKAGE BODY','PROCEDURE',
'VIEW','FUNCTION')
```

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4. Use the following select statement to generate a script that will create synonyms in schema for all objects owned by APPS.

Connect as SYS user, run the following script.

```
SELECT 'CREATE SYNONYM sachin.'  
|| O.OBJECT_NAME  
|| ' FOR APPS.'  
|| O.OBJECT_NAME  
|| ';' COMMAND  
FROM DBA_OBJECTS O  
WHERE O.owner = 'APPS';
```