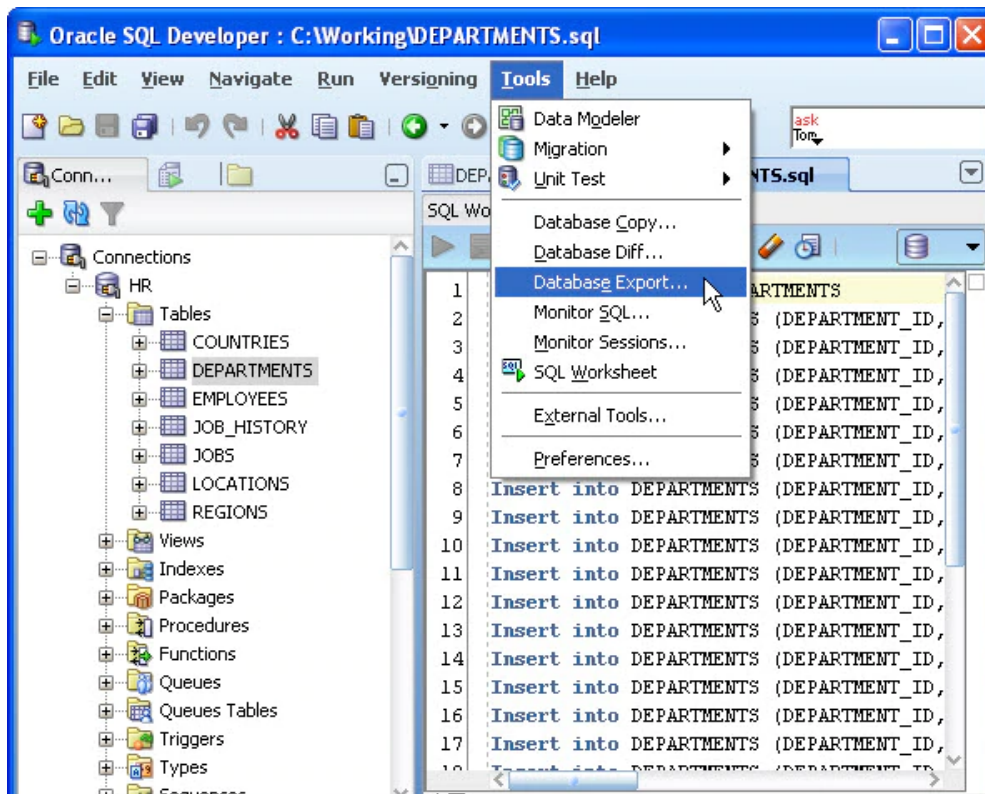# ORACLE – CODE EXTRACTION INSTRUCTIONS
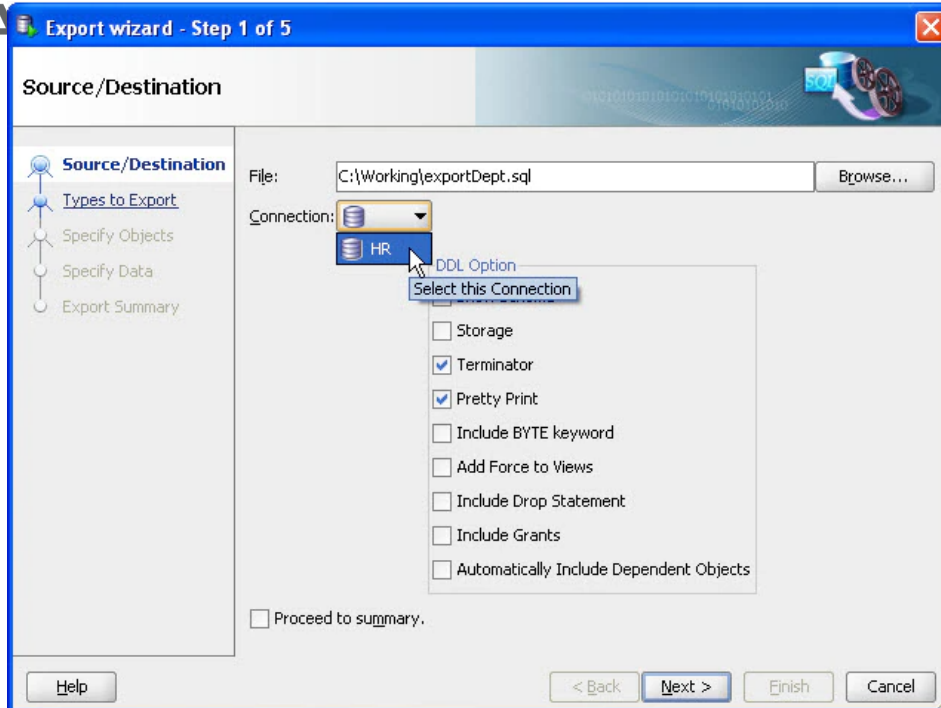
EXPORTING OBJECT DEFINITIONS VIA SQL DEVELOPER

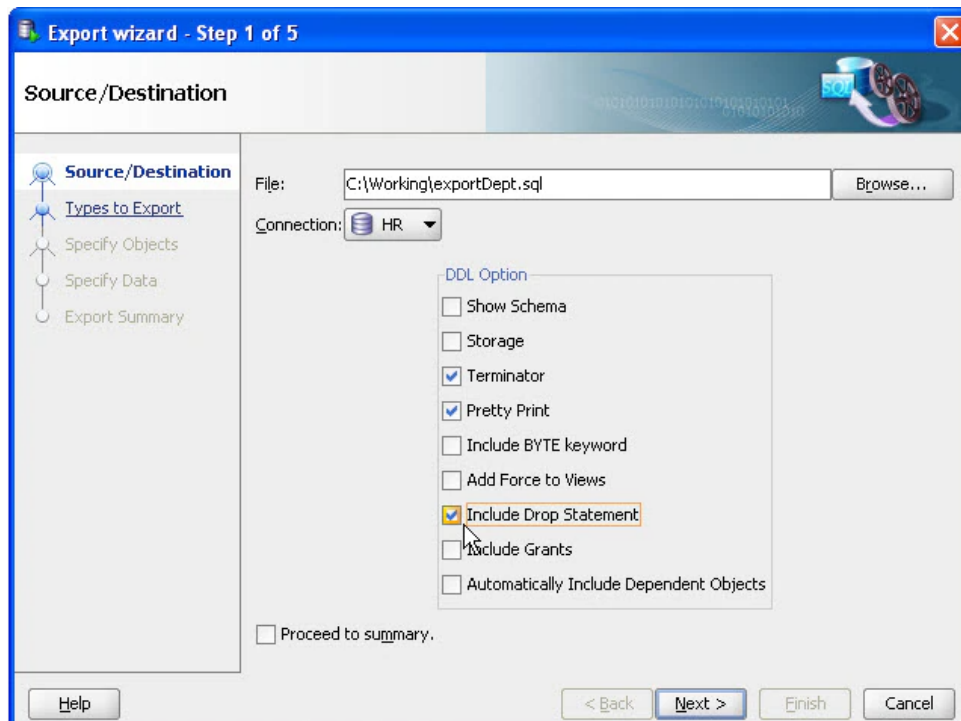### A. Using SQL Developer's Database Export.

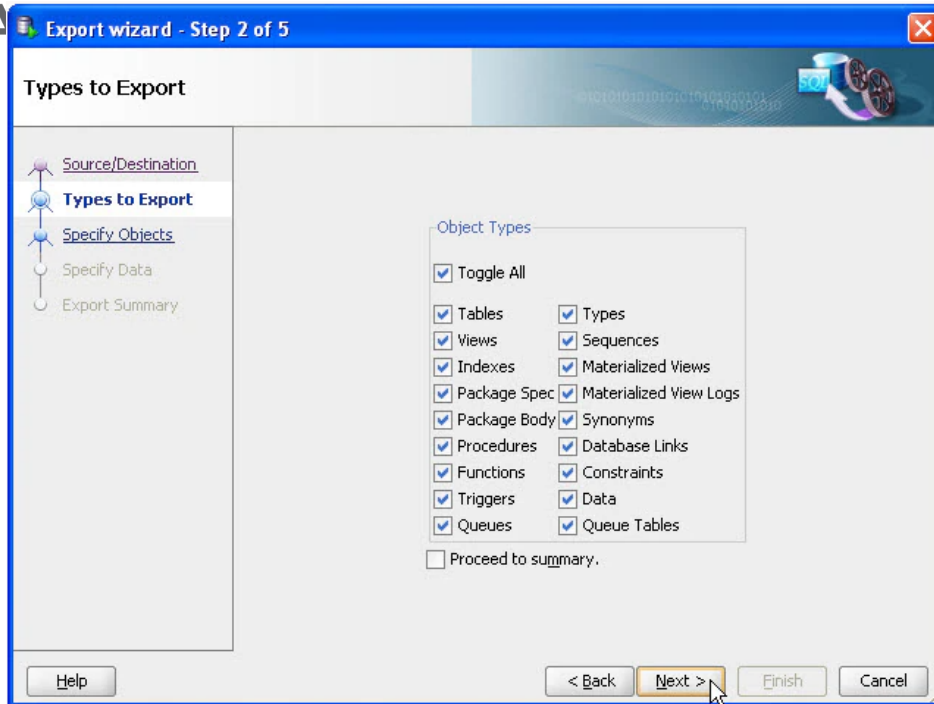1. Using the main menu, select Tools->Database Export.

2. An Export wizard will open. At the top of the screen, enter a directory and file name. e.g., C:\Working\exportDept.sql. and select the Connection.

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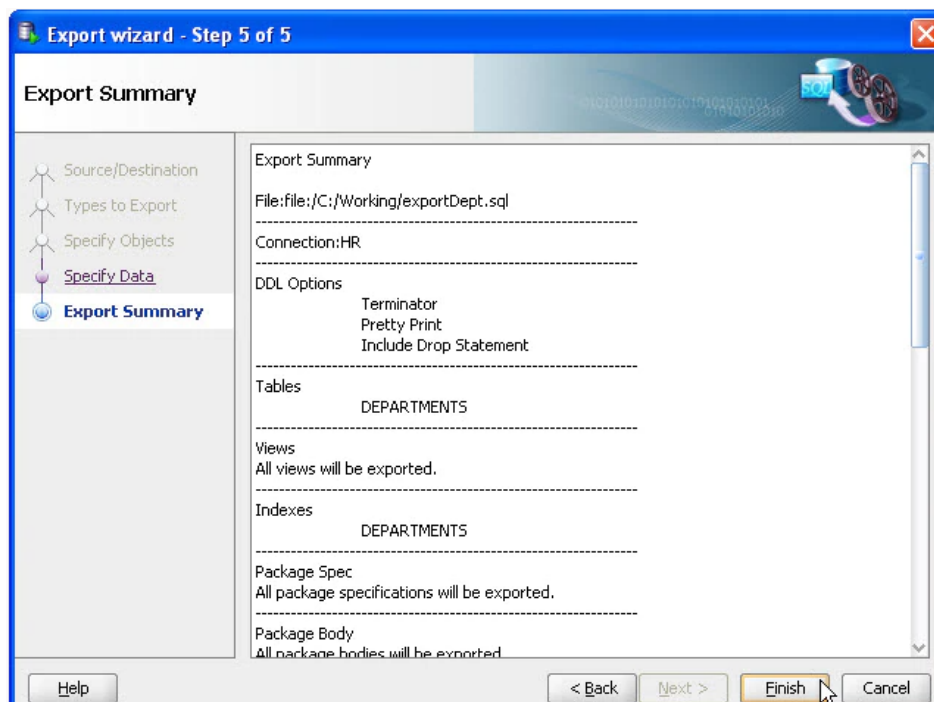
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3. Set the DDL Options for this Export. e.g., check Include Drop Statement. **Click Next.**

4. In this step, you can select what Object Types to export. We will take the default for all object types. **Click Next.**

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5. Since the objective is to export only the metadata, "Specify Data" can be ignored. In this final step, you can review your Export Summary. **Click Finish**

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B. **Using Query**

The below query can be used to generate the statements to fetch the object definitions. Once generated, can be executed on SQL developer, and exported into a .txt/.sql file.

```
select dbms_metadata.get_ddl(object_type, object_name, owner)
from
(
    --Convert DBA_OBJECTS.OBJECT_TYPE to DBMS_METADATA object type:
    select
        owner,
        object_name,
        decode(object_type,
            'DATABASE LINK',      'DB_LINK',
            'JOB',             'PROCOBJ',
            'RULE SET',         'PROCOBJ',
            'RULE',            'PROCOBJ',
            'EVALUATION CONTEXT', 'PROCOBJ',
            'CREDENTIAL',        'PROCOBJ',
            'CHAIN',           'PROCOBJ',
            'PROGRAM',          'PROCOBJ',
            'PACKAGE',          'PACKAGE_SPEC',
            'PACKAGE BODY',      'PACKAGE_BODY',
            'TYPE',            'TYPE_SPEC',
            'TYPE BODY',        'TYPE_BODY',
            'MATERIALIZED VIEW',  'MATERIALIZED_VIEW',
            'QUEUE',            'AQ_QUEUE',
            object_type
        ) object_type
    from dba_objects
    where owner in ('OWNER1')
        --These objects are included with other object types.
        and object_type not in ('INDEX PARTITION','INDEX SUBPARTITION',
          'LOB','LOB PARTITION','TABLE PARTITION','TABLE SUBPARTITION')
        --Ignore system-generated types that support collection processing.
        and not (object_type = 'TYPE' and object_name like 'SYS_PLSQL_%')
        --Exclude nested tables, their DDL is part of their parent table.
        and (owner, object_name) not in (select owner, table_name from dba_nested_tables)
        --Exclude overflow segments, their DDL is part of their parent table.
        and (owner, object_name) not in (select owner, table_name from dba_tables where iot_type =
'IOT_OVERFLOW')
)
order by owner, object_type, object_name;
```