Database Creation Instructions

1. **Preparations**

Have your Oracle installed, copy the [**podcast-app-cleanup.sql**](https://github.com/AIR-null/oracle-19c_podcast-app/blob/main/podcast-app-cleanup.sql)and [**podcast-app-create.sql**](https://github.com/AIR-null/oracle-19c_podcast-app/blob/main/podcast-app-cleanup.sql)scripts to a convenient folder on your PC.

1. **Check your connection** to the database.

Open a **cmd window** using ‘**run as administrator’** and run the ‘**sqlplus / as sysdba**’ command line. Once connected, run the command ‘**show con\_name;**’ which will show the connection name for your default instance.

1. **Run the Creation Script**
   1. Open a **Command Prompt** with **administrator** privileges, and navigate to the folder where your .sql scripts are stored.
   2. Run **‘sqlplus / as sysdba’** to connect you as sysadmin without needing a password.
   3. Run the creation script: **@**[**podcast-app-create.sql**](https://github.com/AIR-null/oracle-19c_podcast-app/blob/main/podcast-app-cleanup.sql)

[***podcast-app-create.sql***](https://github.com/AIR-null/oracle-19c_podcast-app/blob/main/podcast-app-cleanup.sql) ***running process***

1. Create TABLESPACE Provides dedicated storage for application data.
2. Create USER to identify individuals or applications that will interact with the database.
3. Create ROLE manage privilege by grouping related permissions.
4. Grant privileges to users have the necessary rights to perform their tasks.
5. Connect as podcastAppAdmin and create the tables, stored procedures, and triggers.
6. After successful creation, run the DMLscript: **@**[**sample-data.sql**](https://github.com/AIR-null/oracle-19c_podcast-app/blob/main/sample-data.sql)to insert sample data.

Notes: If encounter some data insertion errors, use Command ‘**exit**’to exit sqlplus and start it again using “sqlplus / as sysdba”. Then use **@**[**podcast-app-cleanup.sql**](https://github.com/AIR-null/oracle-19c_podcast-app/blob/main/podcast-app-cleanup.sql) to undo the effects of the first script and leave you connected as sys.

1. **Create the Data Source Name (DSN)** for use by Applications to connect to our Oracle database.
   1. Open the **ODBC Data Sources** **(64 bit)** administration application in windows (through the run search facility).
   2. Then navigate to the **System DSN** tab and select “**Add**”
   3. Select the “**Oracle in instantclient\_<version>”** driver and click **Finish**.
   4. You will be prompted for the Oracle connection details. provide the **Data Source Name** ‘**podcast-app**’ and your Oracle instance name. Provide the connection

username/password (podcastAdmin/adminPassword) if prompted.

* 1. Test the connection. Keep all other selections as the defaults.
  2. Click on “**OK**” and the DSN should be available.
  3. Exit the ODBC Data Source Administration application.

1. **Relink the table in Access:**

Open **Linked Table Manager** in your Access application file, select all the table needed to relink, Click **relink**, Make sure the **DBO** value match your instance in the pop-up window. click **Ok** to relink all the tables, make sure all the tables are relinked successfully. Check if all the tables, forms, and reports are working well.