**Table Creation (DDL Operations)**

|  |  |  |
| --- | --- | --- |
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| **CO4**: Creating DML, DDL using Oracle and connection with ODBC/JDBC for existing JAVA application | | |
| **PO-e-2:** Use modern engineering and IT tools for prediction and modeling of complex computer science and engineering problem | | Marks |

## Provide the screenshots of your commands for created tables in oracle.

1. For creating Product Table:

A screen shot of a computer program

Description automatically generated

A screen shot of a computer screen

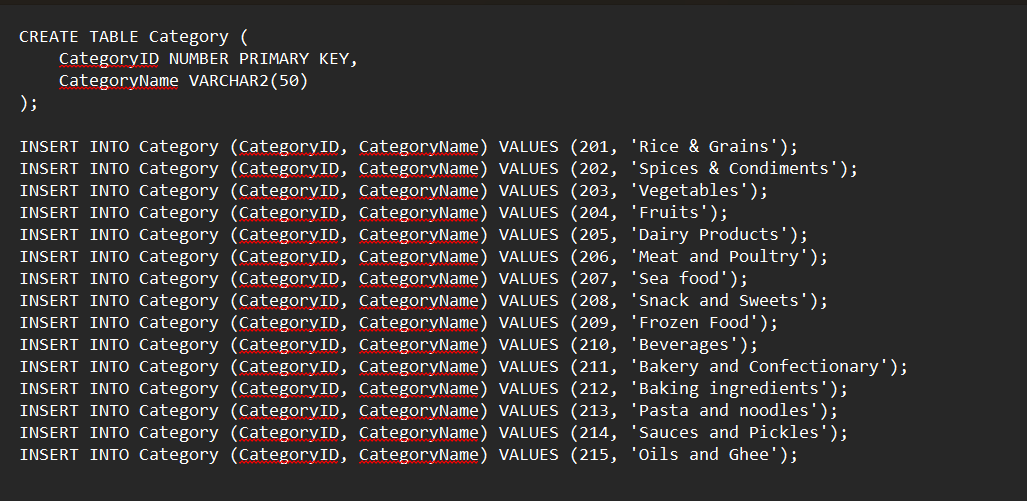
Description automatically generated

A black background with many small squares

Description automatically generated with medium confidence



1. For creating Category table:



1. For creating Supplier table:

A screenshot of a computer

Description automatically generated

1. For creating Supplier contact table:

A screen shot of a computer

Description automatically generated

A screen shot of a computer program

Description automatically generated

1. For creating supplier district table:

A screenshot of a computer program

Description automatically generated

1. For creating Storebranch table:

A computer screen shot of a computer code

Description automatically generated

1. For creating manager table:

A screenshot of a computer

Description automatically generated

1. For creating Restocking table:

A screen shot of a computer program

Description automatically generated

A screen shot of a screen

Description automatically generated

## Provide the description which shows the structure of the table.

1. PRODUCT TABLE:

A screenshot of a computer

Description automatically generated

1. SUPPLIER TABLE:

A screenshot of a computer

Description automatically generated

1. CATEGORY TABLE:

A screenshot of a computer

Description automatically generated

1. RESTOCKING ORDERTABLE:

A screenshot of a computer

Description automatically generated

1. Supplier contact details table:

A screenshot of a computer

Description automatically generated

1. Supplier district table:

A screenshot of a computer

Description automatically generated

1. Manager table:

A screenshot of a computer

Description automatically generated

1. Storebranch Table:

A screenshot of a computer

Description automatically generated

**Inserted Values in the tables**

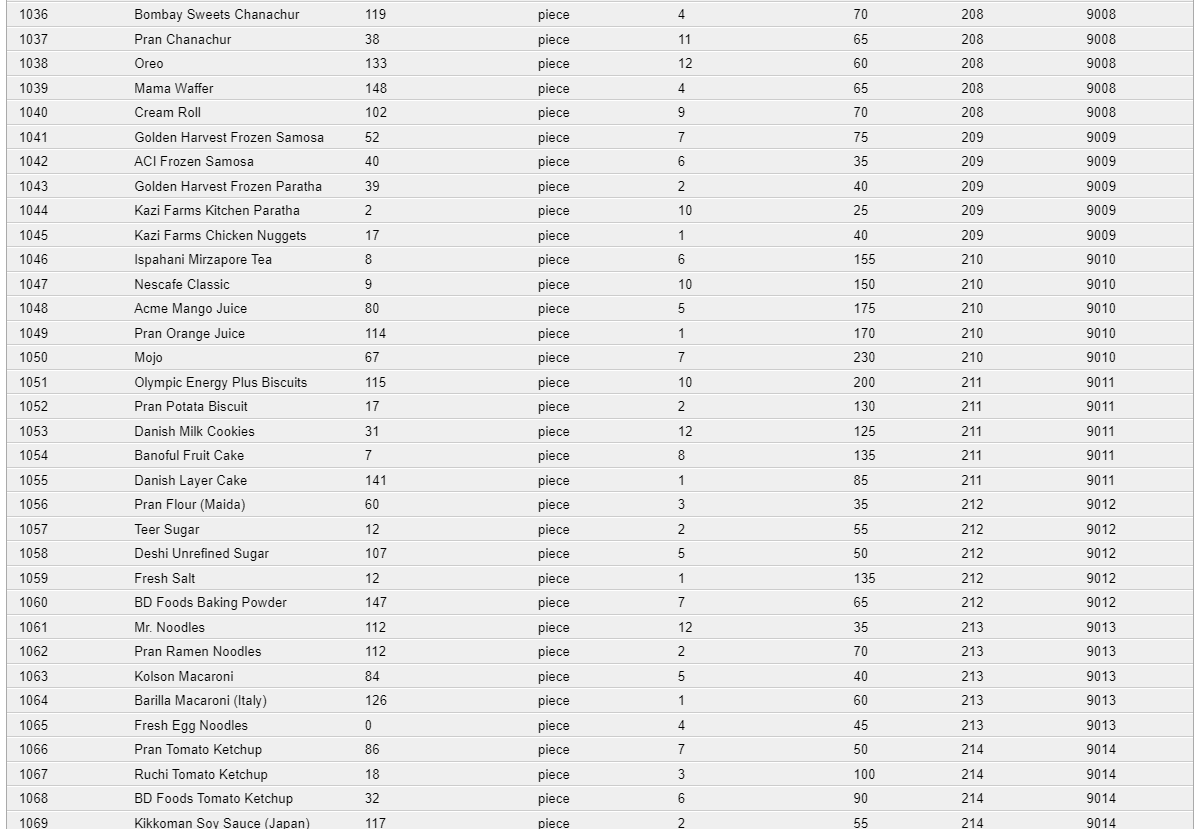
## Give the screenshot of all the created tables in Oracle. All the tables should be attached one by one.

1. A screenshot of a computer

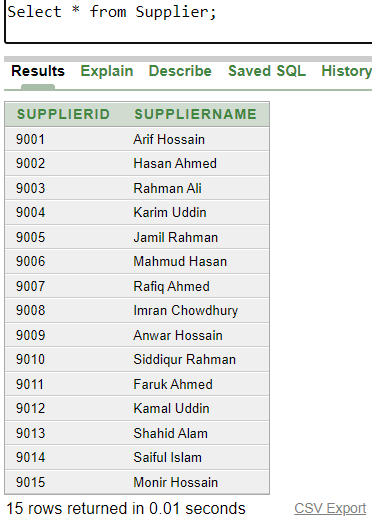
   Description automatically generatedA screenshot of a computer

   Description automatically generatedPRODUCT TABLE:

**A screenshot of a computer

Description automatically generated**

2 Supplier table:



1. Category table:

A screenshot of a computer

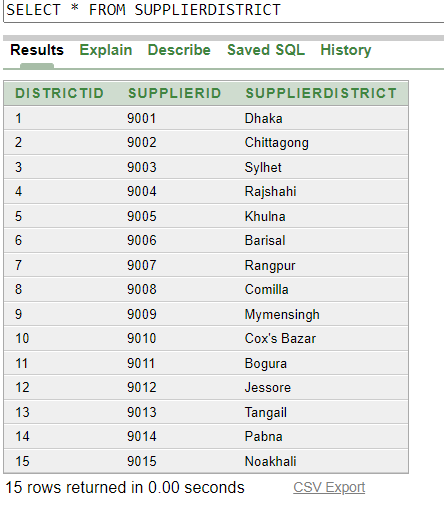
Description automatically generated

1. Supplier contact table:

A screenshot of a computer screen

Description automatically generated

1. Supplier district table:



1. Storebranch table:

A screenshot of a data

Description automatically generated

1. Manager table:

**A screenshot of a computer

Description automatically generated**

1. RESTOCKING ORDER TABLE:

A screenshot of a computer

Description automatically generated

**Query Test in DB**

## There will be one simple query. One with Group/ Aggregate function, 2 single row Subquery, 2 Multiple Row subquery, 4 different type of joining.

1. simple query
2. Query with a single row function
3. Query with a Multiple row function/ aggregate function
4. 2 Single row subquery and 2 multiple row subquery
5. 4 kinds of joining

1 simple view  
1 complex view  
  
## Provide query first, next the command for the query and at last the output:  
  
In the end show a simple view and a Complex view:  
Demo of a simple view is given below:

SIMPLE VIEW:  
  
🡪 create a view named as eview30 where the deptno 30 will be shown over the columns ename, empno and deptno

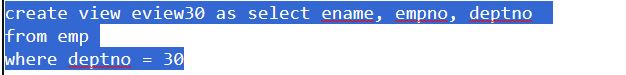


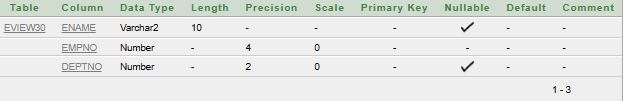
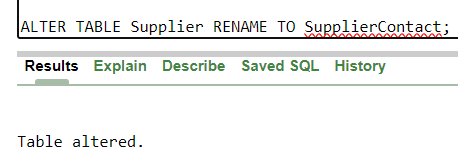
fIG: Simple view creation command   
  


fig: Description of the simple view



Fig: Result of the simple view as a whole table



**Description of a Successful DB connection**

## Its up to the presentation / explanation capabilities of the student. Each student has to show the DB connection process individually and put the description in this file one after another mentioning their name. Student can use either MySQL or Oracle.

what do we need?  
1. Mysql java connector (jar file)

You can go to “**mysql java connector maven” any version you like**2. You need to search (**xampp apache mariadb perl php**) install xampp server normally

3. Select the xampp icon control UI and then **start** both apache and mysql. Next go to mysql admin panel

4. now create a Database , inside of it create table and insert the values in the table

The table in mysql  


Now we need an IDE.

Before that, we need to understand the steps of DB connection

* Register Driver
* Connect the DB
* Create statement
* Execute the query () in the resultstmnt
* Connection close ()

5. Now write the DB connection code and **add the jar file location in the libraries**

The output will be  
