**02**

**TP**

**INTRODUCTION**

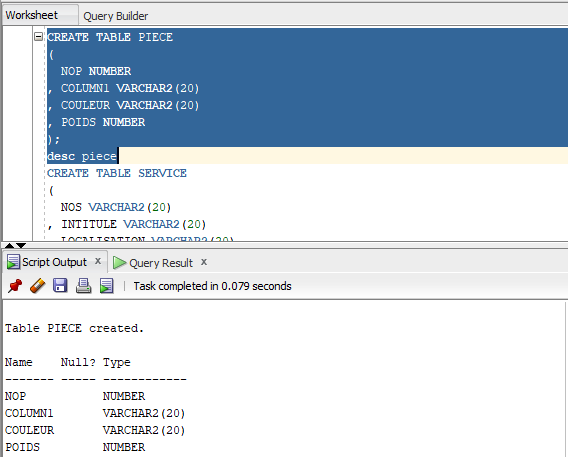
This rapport of practical work was made to complete the first one and remind us about other functionality of sql

The process starts by creating an non-organized data base and effect the necessary modification to run it and also getting more control over the data base

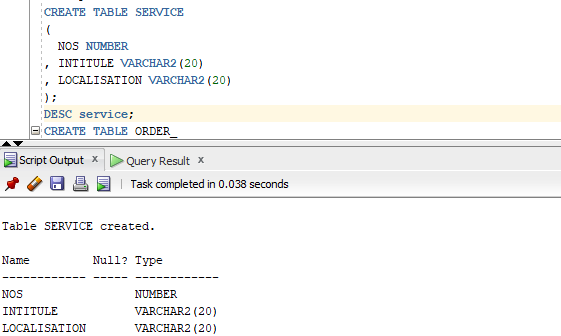
**Creation**

**Tables**

1. This figure presents the creation of table < PIECE >



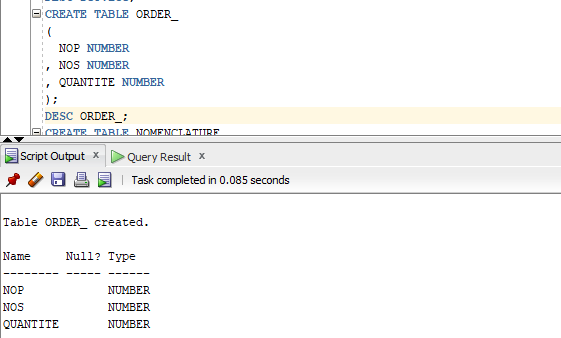
1. This figure presents the creation of table <>



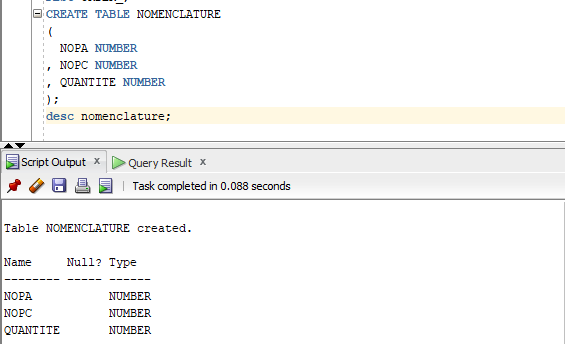
1. This figure presents the creation of table <Order\_>

**Creation**

**Tables**



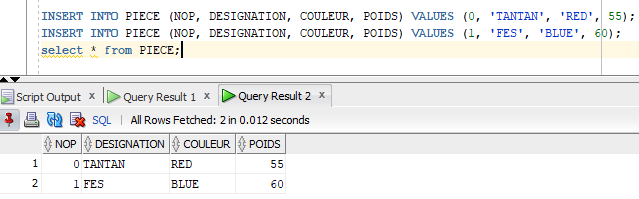
1. This figure presents the creation of table < nomenclature >



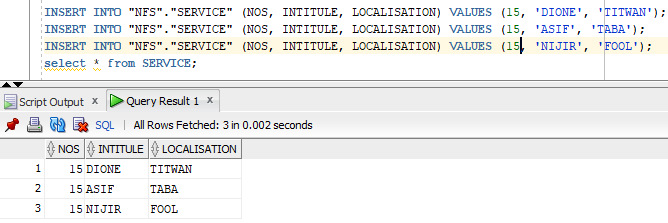
**DATA**

**INSERT**

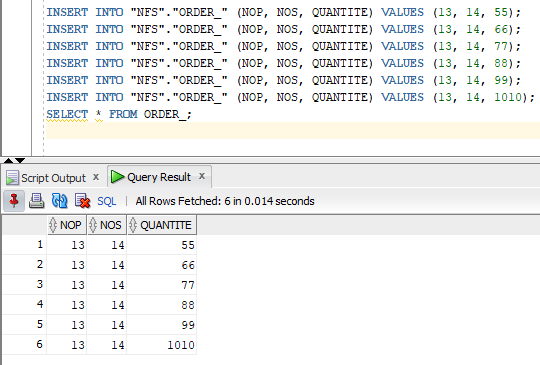
* TABLE PIECE



* TABLE SERVICE



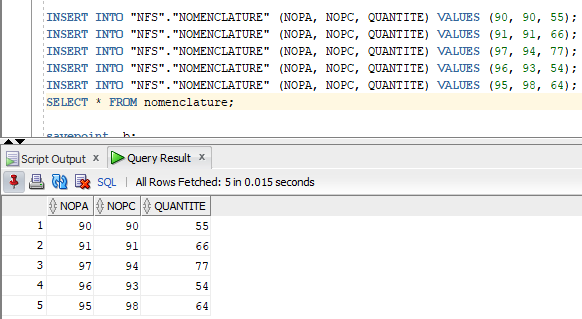
* TABLE ORDER\_



**DATA**

**INSERT**

* TABLE NOMENCLATUR



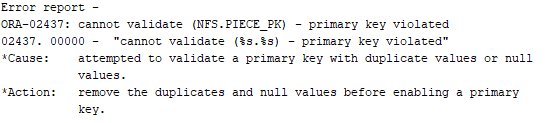
**ADD**

**CONSTRAINT**

* PRIMARY KEY

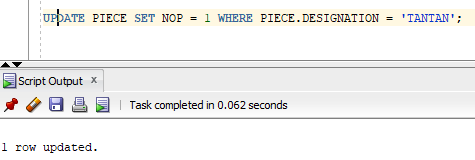
To add a primary key we need to make sure that there is no data that repeats.

Or we get this error:

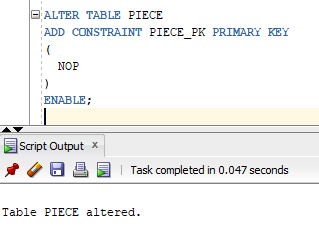


This applies to all the other tables .

To correct it we could make the following changes:

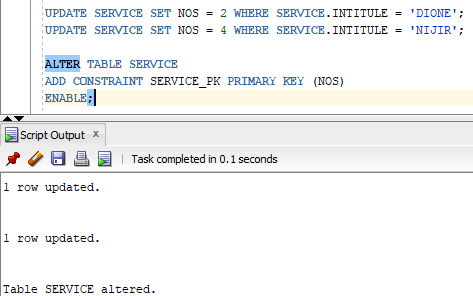


Now we can set the primary key:

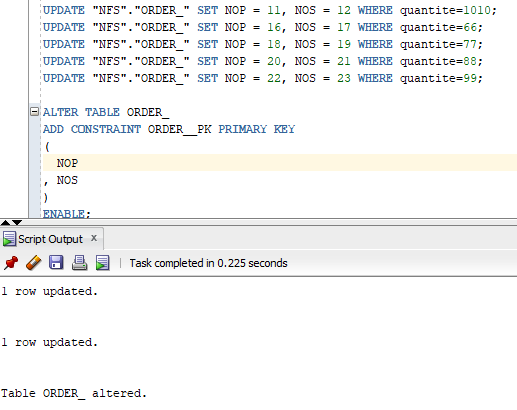


So let do the same process:

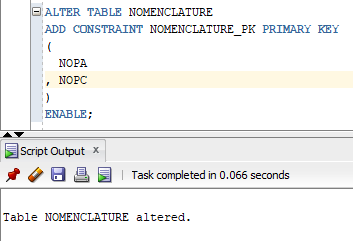
* Table service:



* Table ORDER\_:

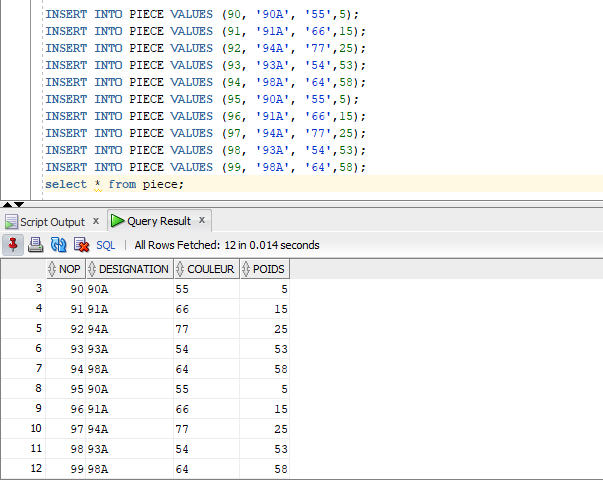


* Table NOMENCLATURE

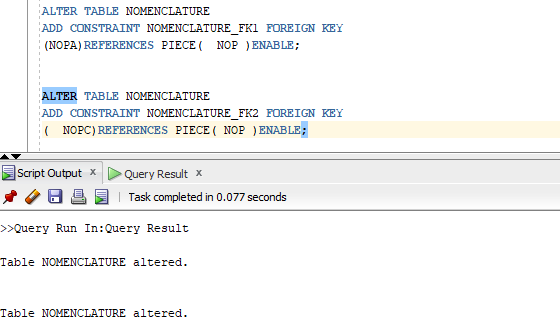


* FOREIGN KEY
* Table NOMENCLATURE

In order to add foreign key to NOMENCLATURE we need to make sure that the key exist in the parent table:

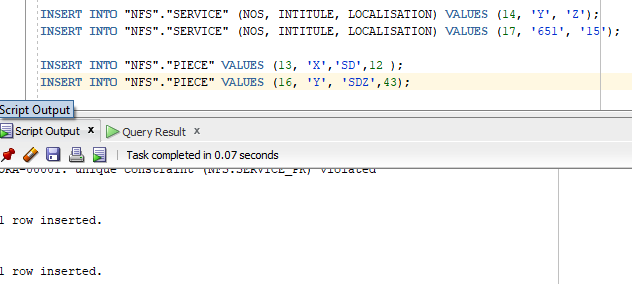


Now that all the parent keys inserted we can add constraint:

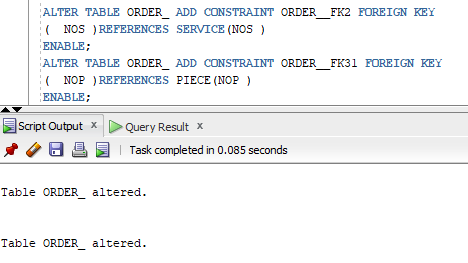


1. Table order\_

Same steps goes for this table

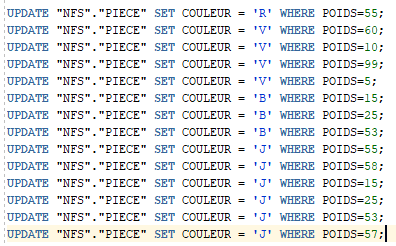


Now we add constraint

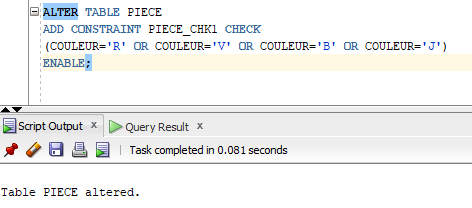


1. Table price <check-condition>

To add a check condition we must first make sure that all old data are compatible with the constraint :

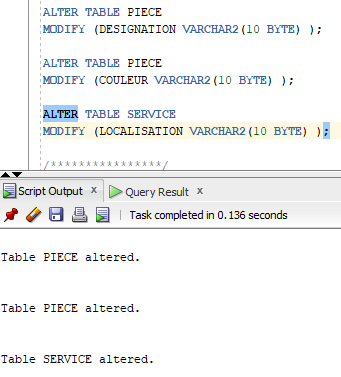


After that we add the check constraint

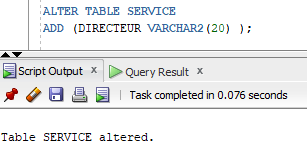


**operation**

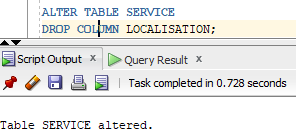
1. Changing the column type :



1. Add Column DIRECTEUR to SERVICE:



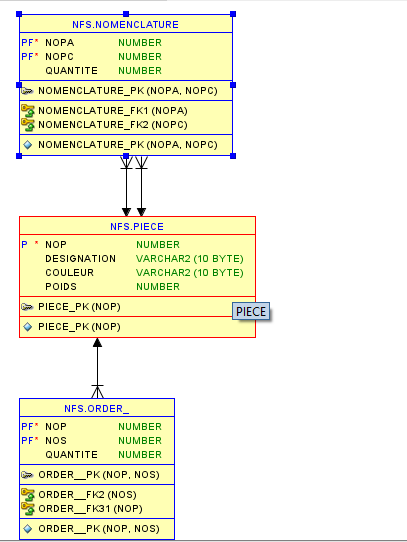
1. Drop Column from SERVICE:



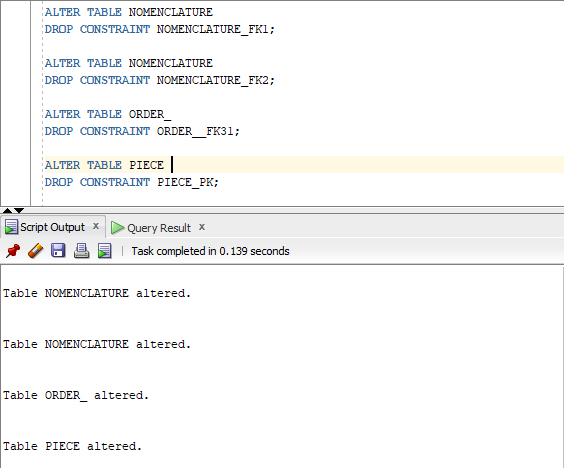
**On Tables**

1. Drop a primary key:

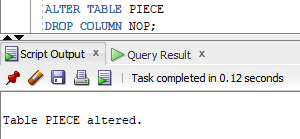
At first glance this may look a bit easy but no, because the primary key is connected with two other tables NOMENCLATURE and ORDER\_, here is a graphic model to explain:



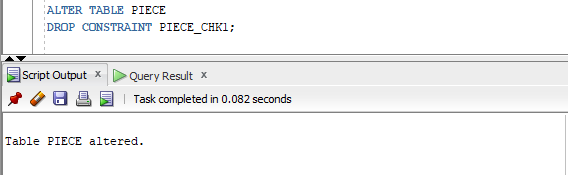
Now we need to delete these constraint



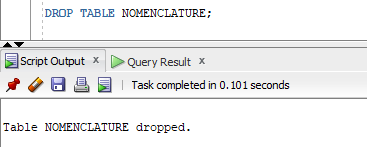
Now we can delete the primary key safely :



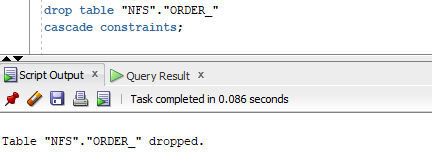
1. Deleting the check constraint:



1. Deleting table NOMENCLATURE



1. Deleting table ORDER\_ using command CASCADE:



We notice that after we used the CASCADE option all the related constraint were removed.

during this practical work we have learned how to deal with an non-orgenazed data base and also how useful is CASCADE option to remove all the constraint .

**CONCLUSION**