Name- Aryan Sharma

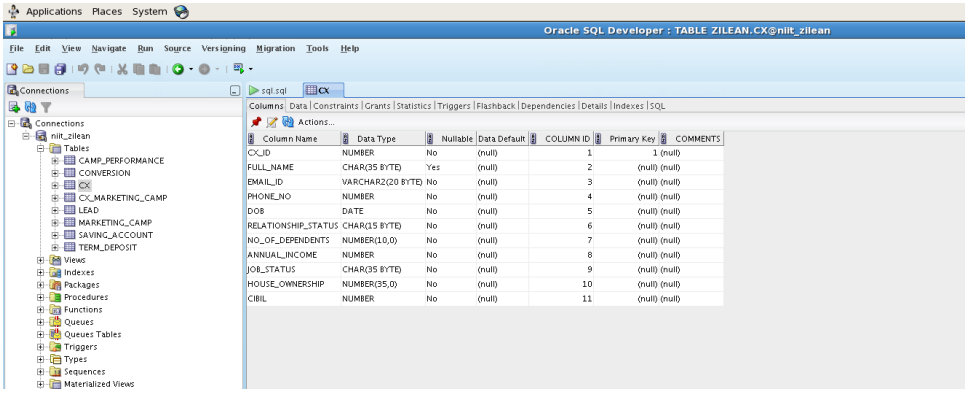
Enrollment no – BT21GCS161

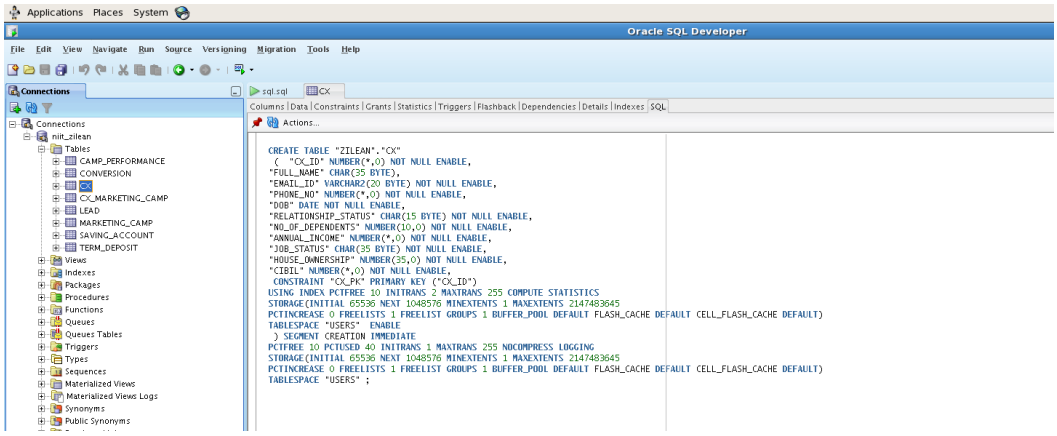
Dimensional and NoSQL Databases

Assignment – 02

Question *- Populate Schema in Oracle Instance – Banking System*

Table CX





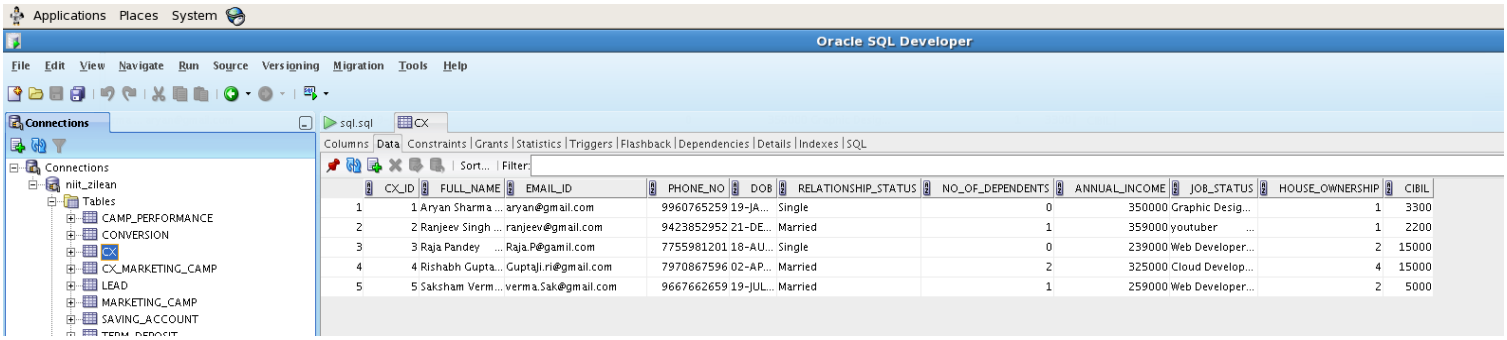
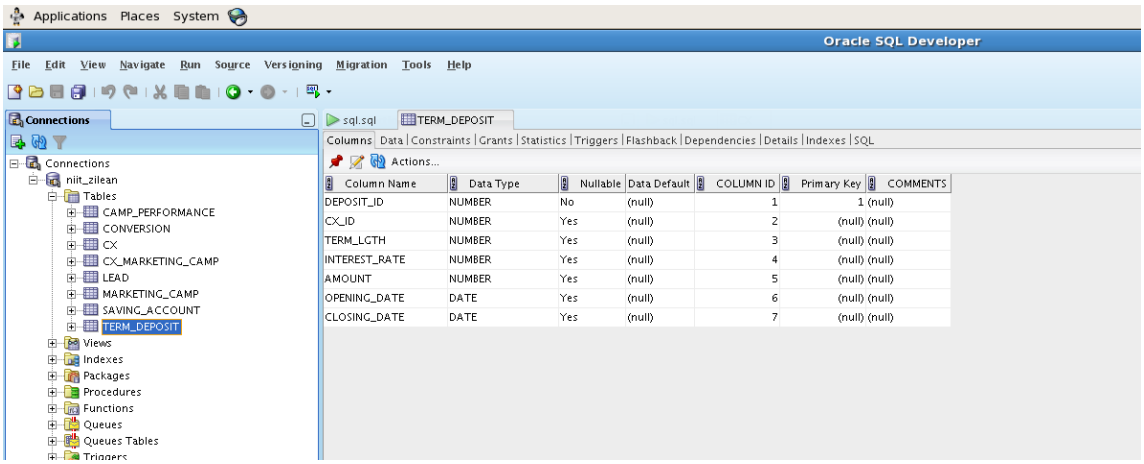
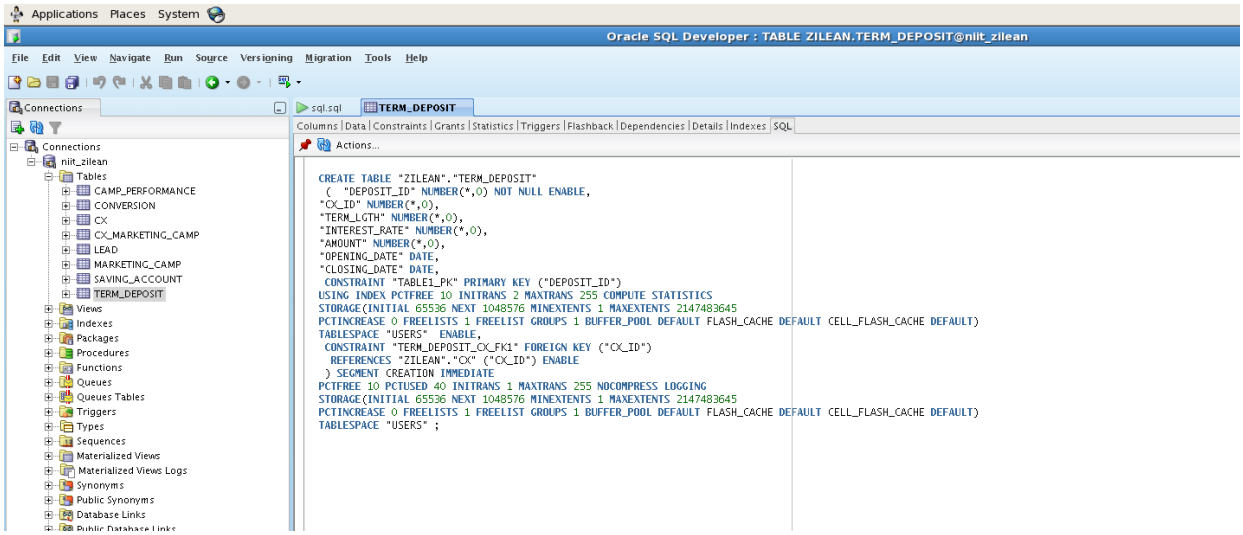


Table term- Deposit





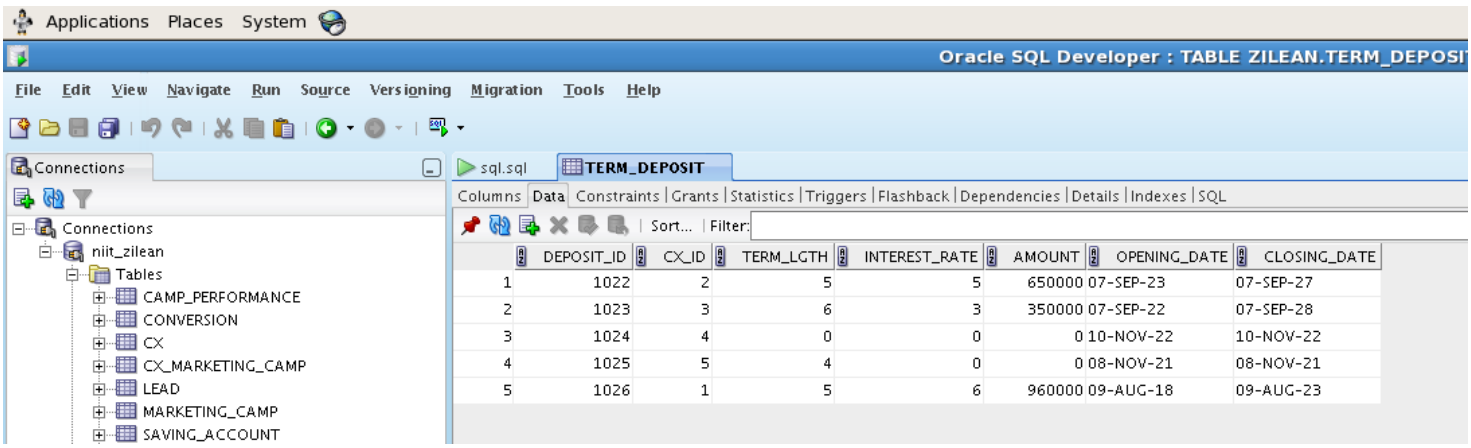
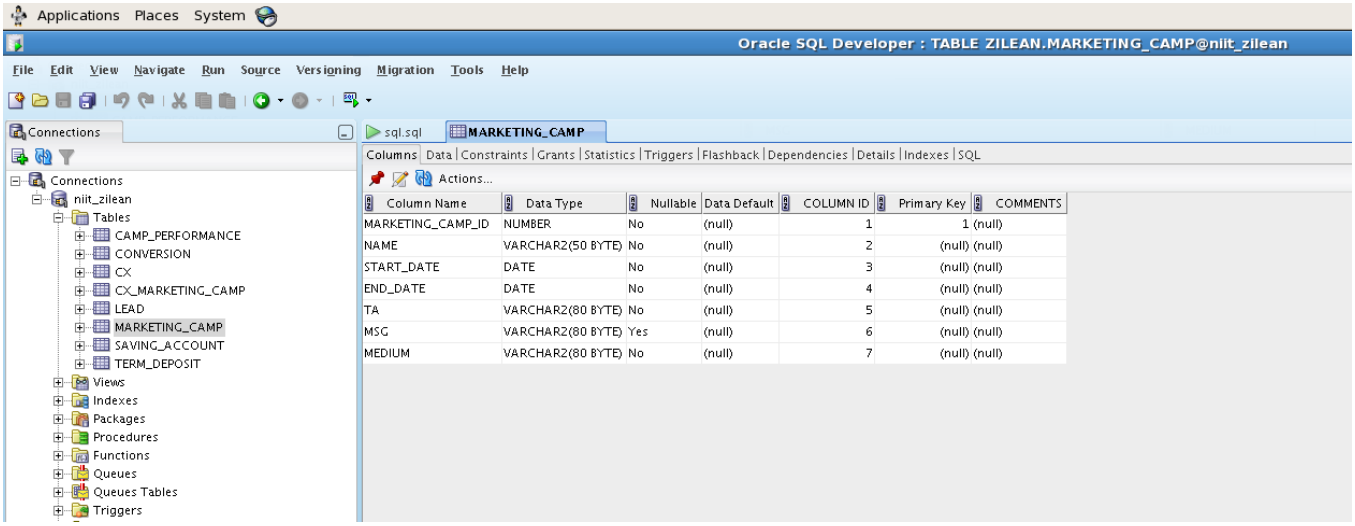
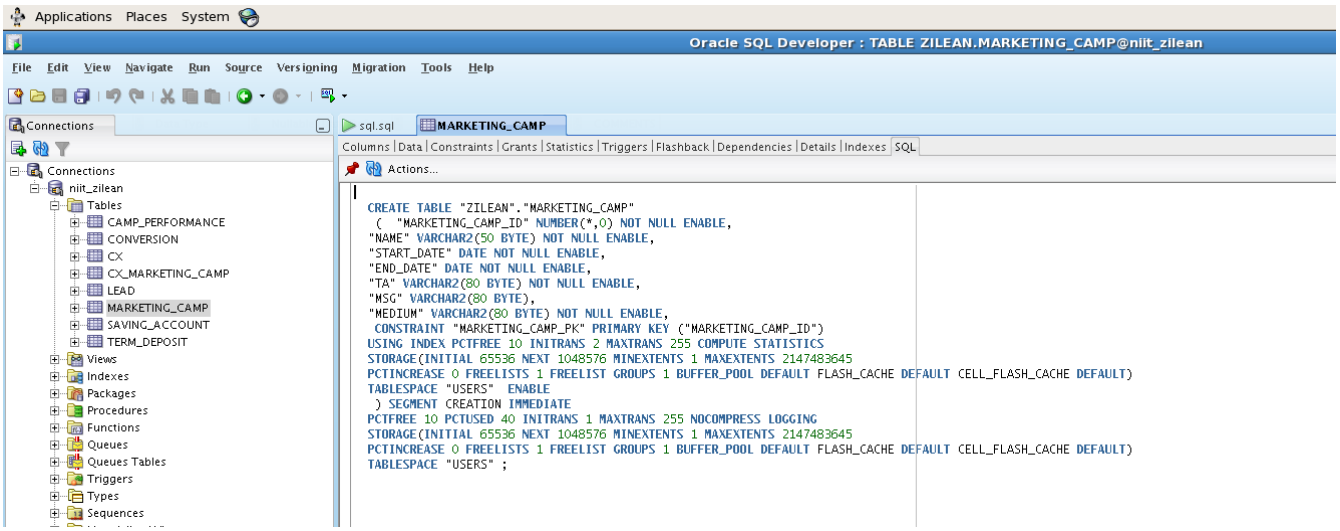


Table Marketing_Camp





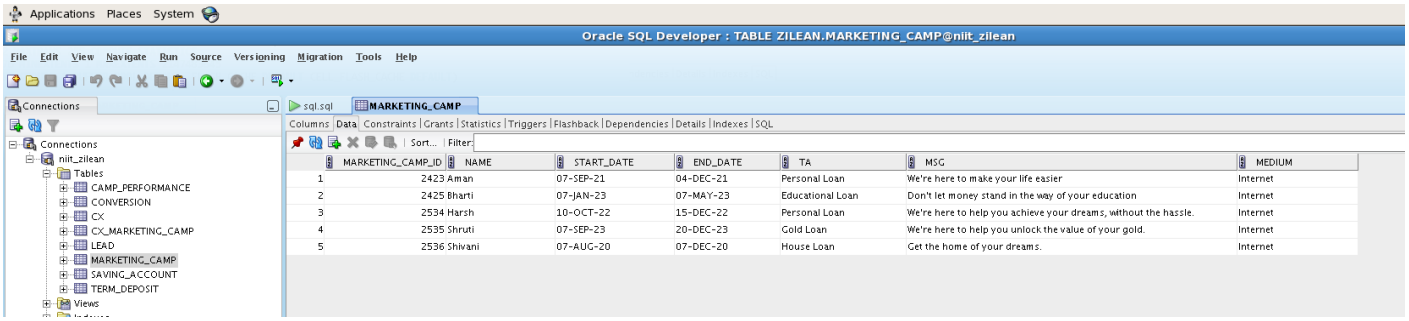
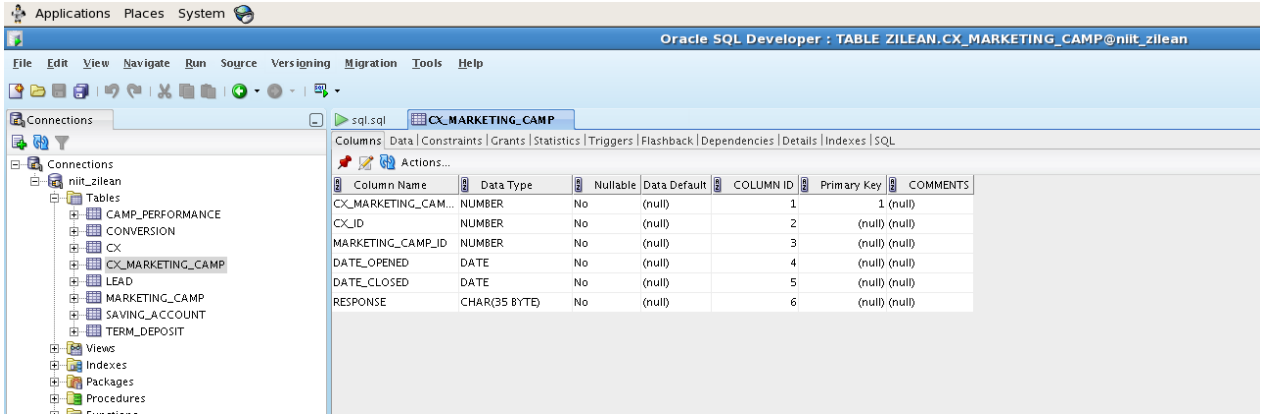
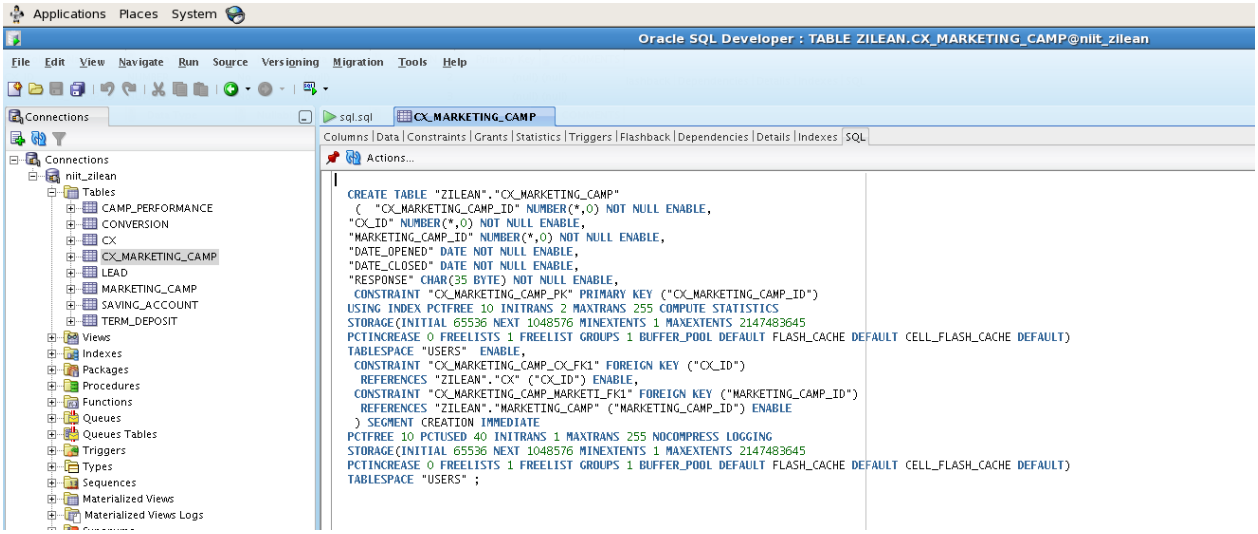


Table : CX_Marketing_Camp





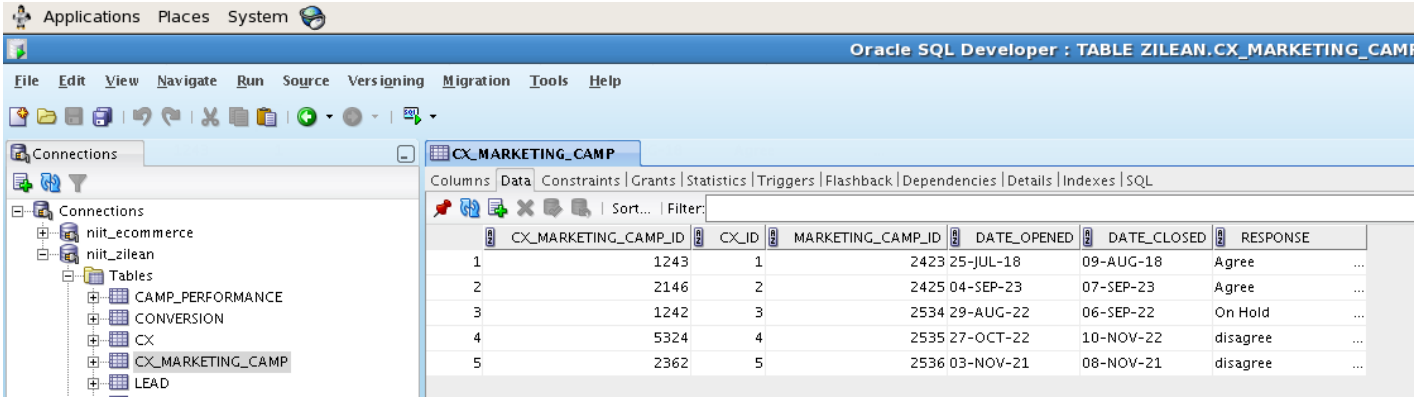
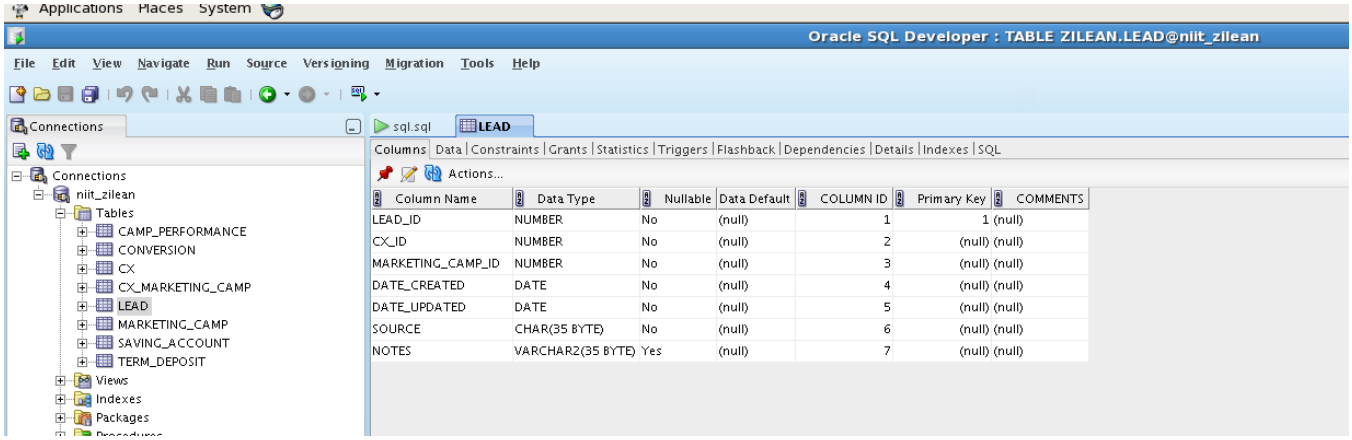
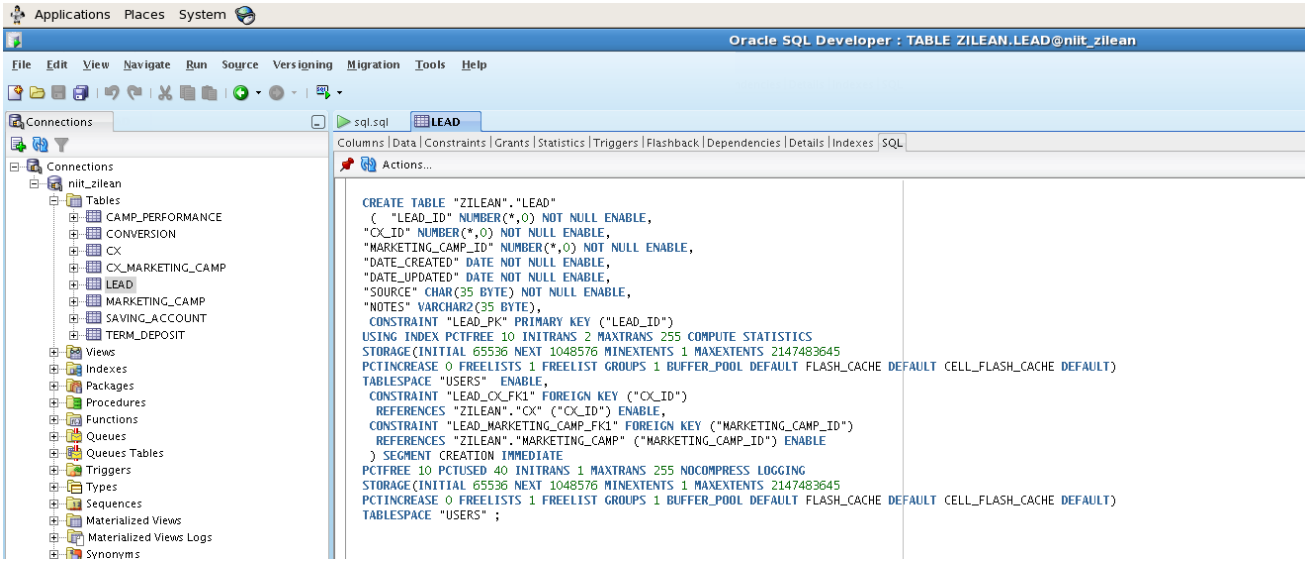


Table : Lead


Applications Places System
Oracle SQL Developer : TABLE ZILEAN.LEAD@niit_zilean
File Edit View Navigate Run Source Versioning Migration Tools Help
Connections
niit_zilean
Tables
CAMP_PERFORMANCE
CONVERSION
CX
CX_MARKETING_CAMP
LEAD
MARKETING_CAMP
SAVING_ACCOUNT
TERM_DEPOSIT
Views
Indexes
Packages
sql.sql
LEAD
Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Indexes SQL
Actions...
Column Name | Data Type | Nullable | Data Default | COLUMN ID | Primary Key | COMMENTS
LEAD_ID | NUMBER | No | (null) | 1 | 1 | (null)
CX_ID | NUMBER | No | (null) | 2 | (null) | (null)
MARKETING_CAMP_ID | NUMBER | No | (null) | 3 | (null) | (null)
DATE_CREATED | DATE | No | (null) | 4 | (null) | (null)
DATE_UPDATED | DATE | No | (null) | 5 | (null) | (null)
SOURCE | CHAR(35 BYTE) | No | (null) | 6 | (null) | (null)
NOTES | VARCHAR2(35 BYTE) | Yes | (null) | 7 | (null) | (null)


Applications Places System
Oracle SQL Developer : TABLE ZILEAN.LEAD@niit_zilean
File Edit View Navigate Run Source Versioning Migration Tools Help
Connections
niit_zilean
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CAMP_PERFORMANCE
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MARKETING_CAMP
SAVING_ACCOUNT
TERM_DEPOSIT
Views
Indexes
Packages
Procedures
Functions
Queues
Queues Tables
Triggers
Types
Sequences
Materialized Views
Materialized Views Logs
Synonyms
sql.sql
LEAD
Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Indexes SQL
Actions...
CREATE TABLE "ZILEAN"."LEAD"
("LEAD_ID" NUMBER(*,0) NOT NULL ENABLE,
"CX_ID" NUMBER(*,0) NOT NULL ENABLE,
"MARKETING_CAMP_ID" NUMBER(*,0) NOT NULL ENABLE,
"DATE_CREATED" DATE NOT NULL ENABLE,
"DATE_UPDATED" DATE NOT NULL ENABLE,
"SOURCE" CHAR(35 BYTE) NOT NULL ENABLE,
"NOTES" VARCHAR2(35 BYTE),
CONSTRAINT "LEAD_PK" PRIMARY KEY ("LEAD_ID")
USING INDEX PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "USERS" ENABLE,
CONSTRAINT "LEAD_CX_FK1" FOREIGN KEY ("CX_ID")
REFERENCES "ZILEAN"."CX" ("CX_ID") ENABLE,
CONSTRAINT "LEAD_MARKETING_CAMP_FK1" FOREIGN KEY ("MARKETING_CAMP_ID")
REFERENCES "ZILEAN"."MARKETING_CAMP" ("MARKETING_CAMP_ID") ENABLE
) SEGMENT CREATION IMMEDIATE
PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255 NOCOMPRESS LOGGING
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "USERS" ;

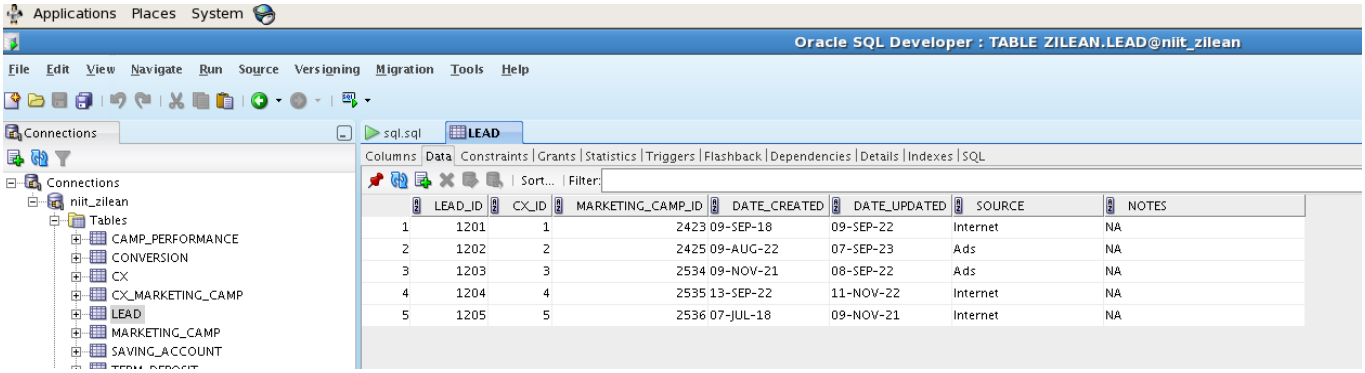
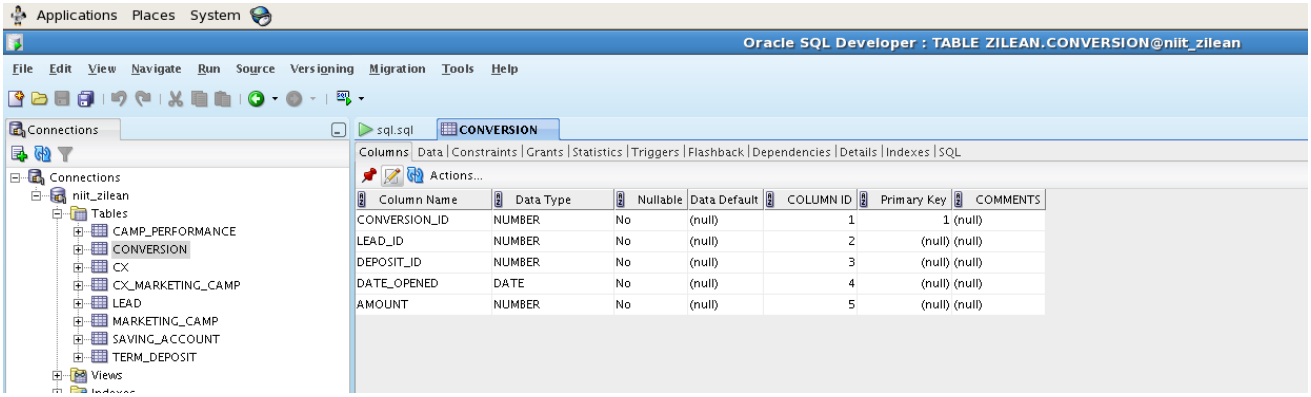
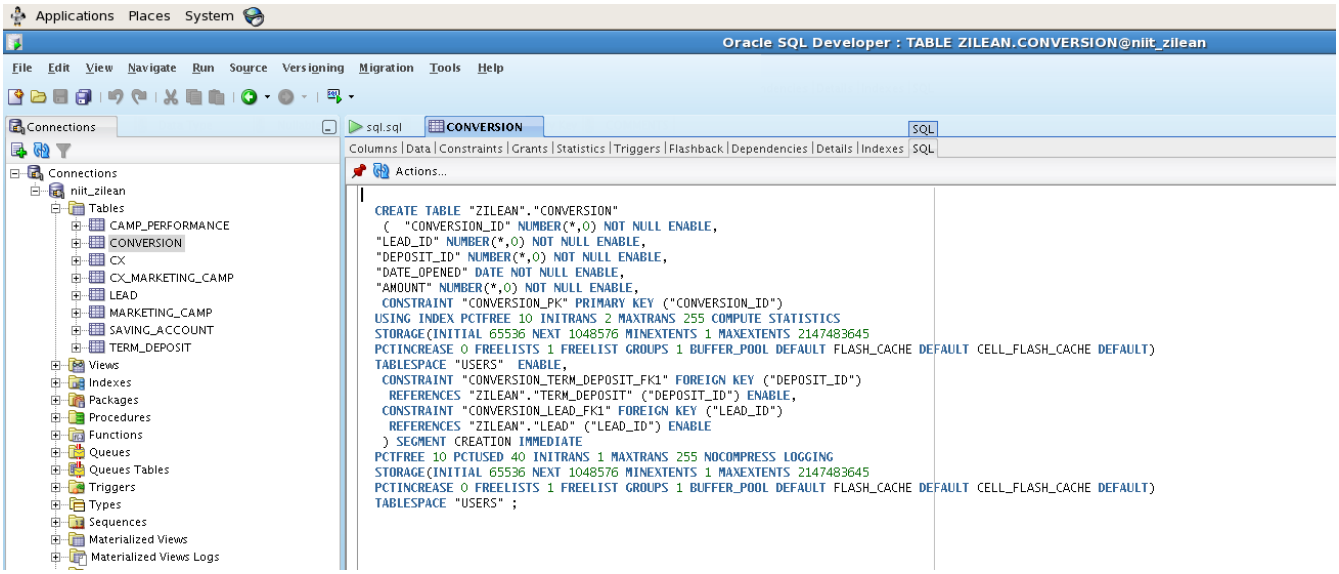

Applications Places System
Oracle SQL Developer : TABLE ZILEAN.LEAD@niit_zilean
File Edit View Navigate Run Source Versioning Migration Tools Help
Connections
niit_zilean
Tables
CAMP_PERFORMANCE
CONVERSION
CX
CX_MARKETING_CAMP
LEAD
MARKETING_CAMP
SAVING_ACCOUNT
sql.sql
LEAD
Columns Data Constraints Grants Statistics Triggers Flashback Dependencies Details Indexes SQL
Sort... Filter:
LEAD_ID | CX_ID | MARKETING_CAMP_ID | DATE_CREATED | DATE_UPDATED | SOURCE | NOTES
1 1201 1 2423 09-SEP-18 09-SEP-22 Internet NA
2 1202 2 2425 09-AUG-22 07-SEP-23 Ads NA
3 1203 3 2534 09-NOV-21 08-SEP-22 Ads NA
4 1204 4 2535 13-SEP-22 11-NOV-22 Internet NA
5 1205 5 2536 07-JUL-18 09-NOV-21 Internet NA

Table Conversion





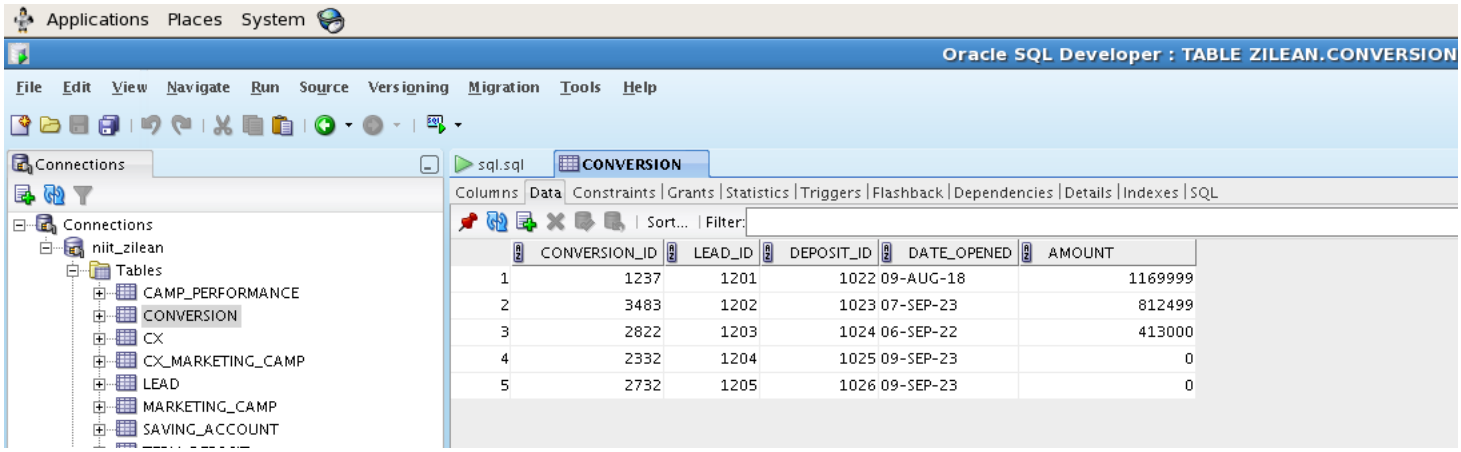
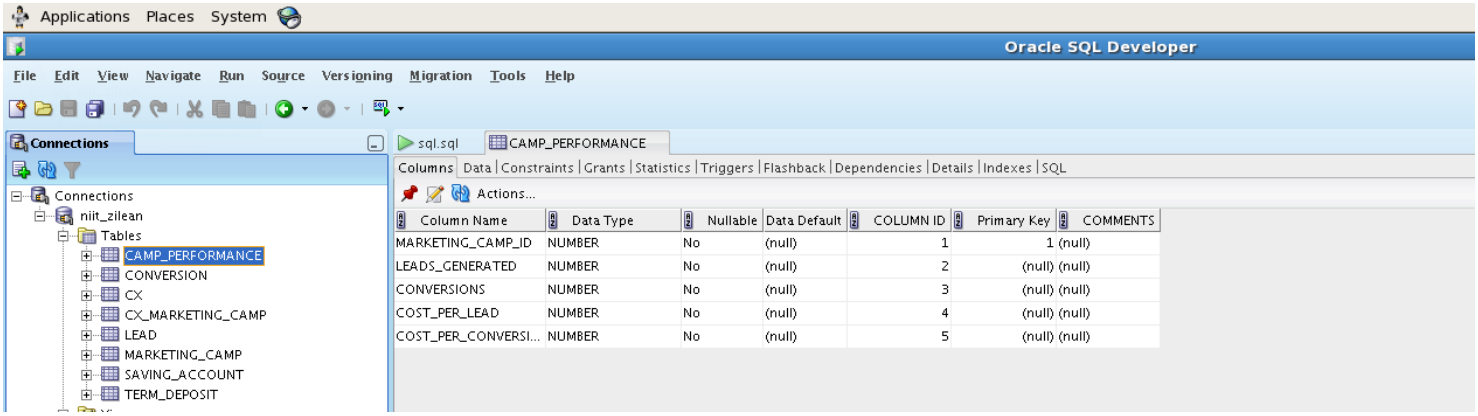
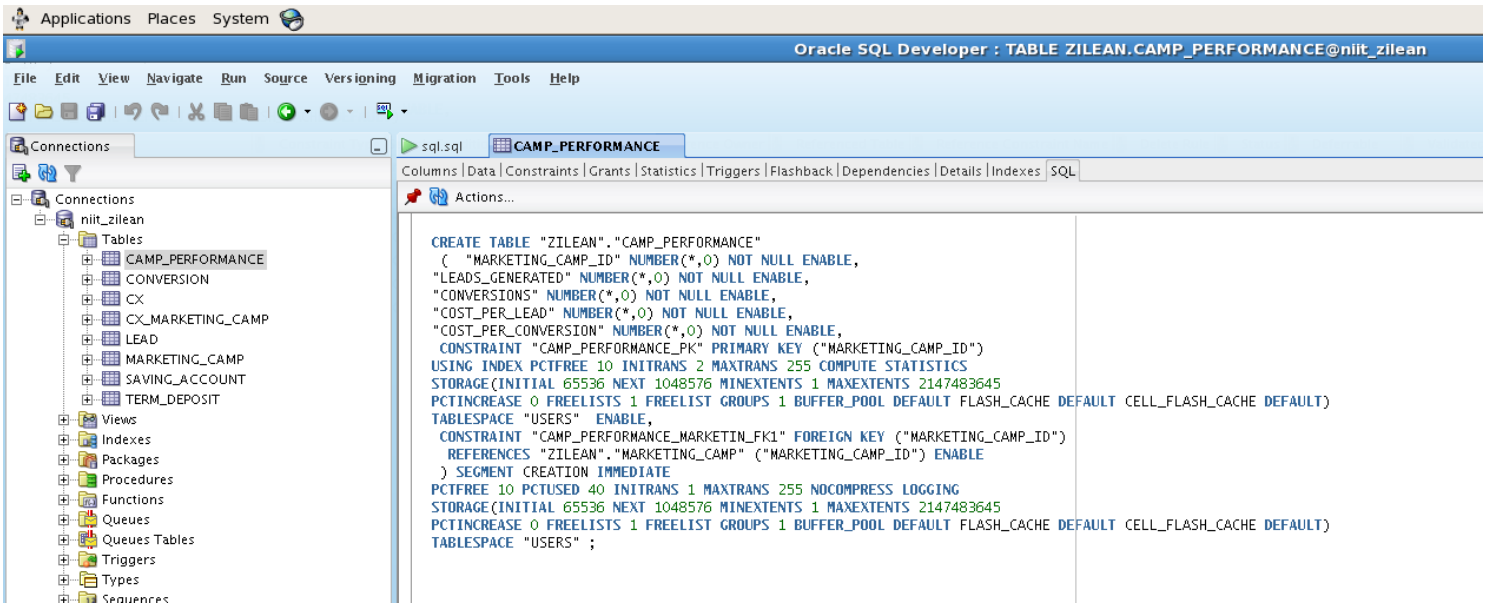


Table: Camp_performance





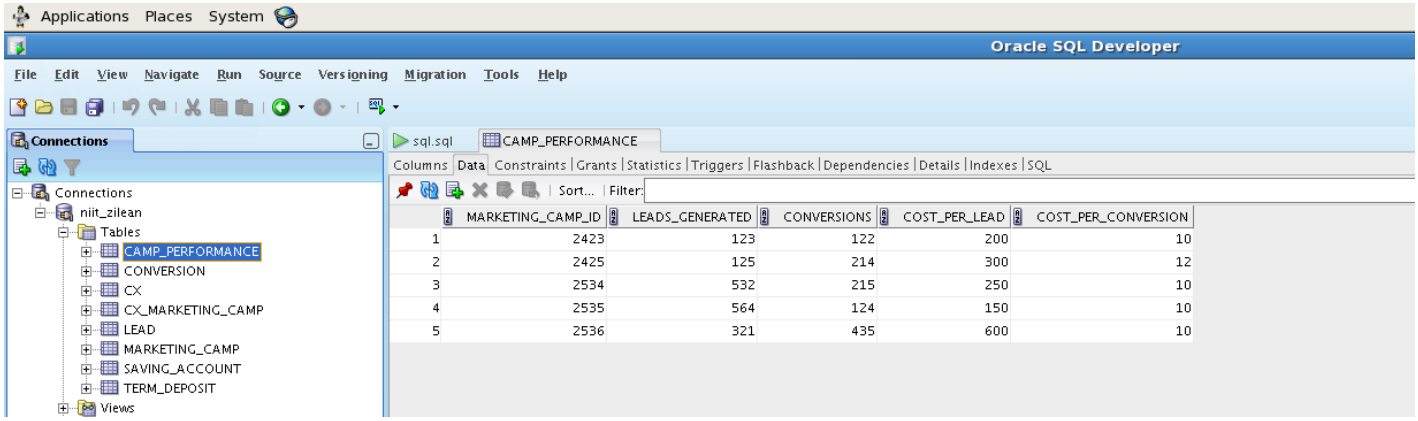
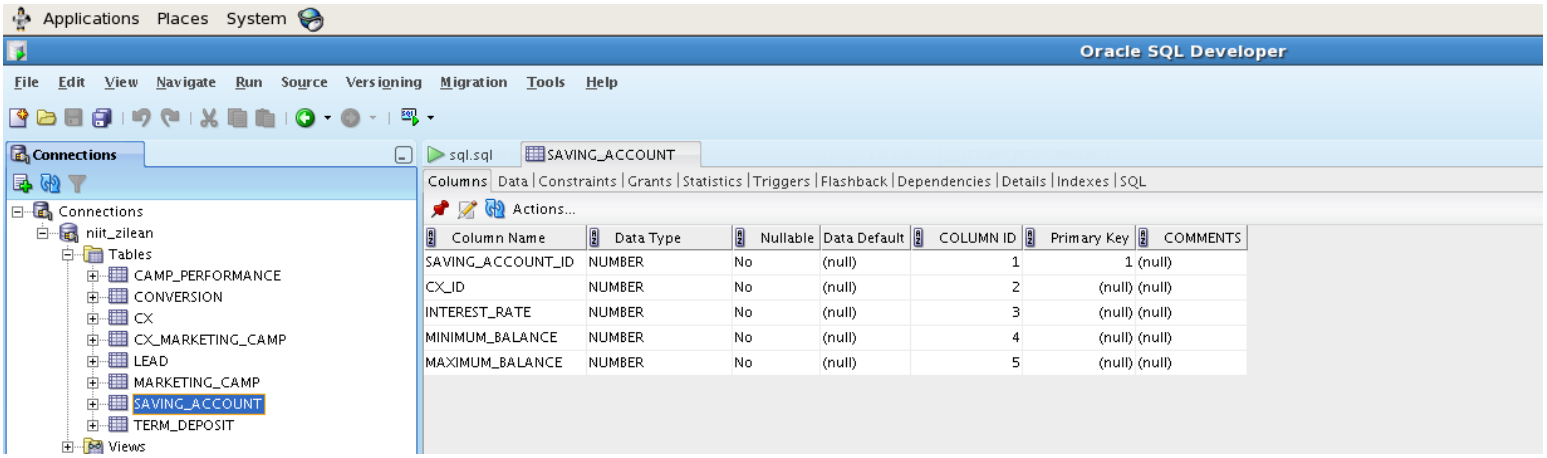
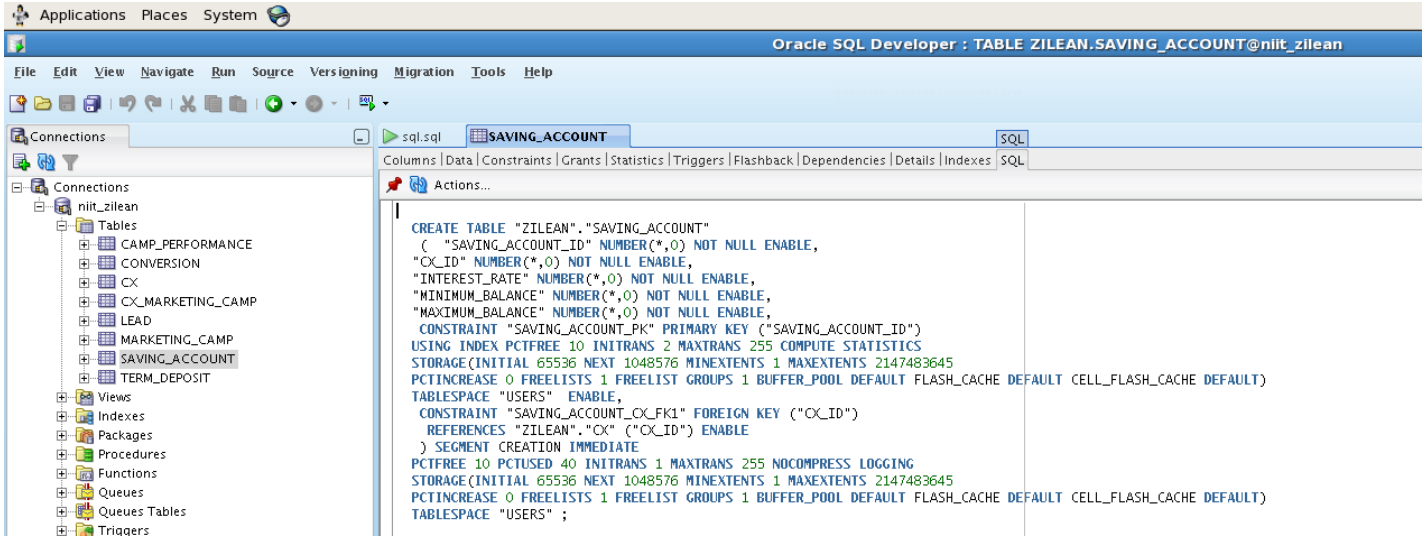
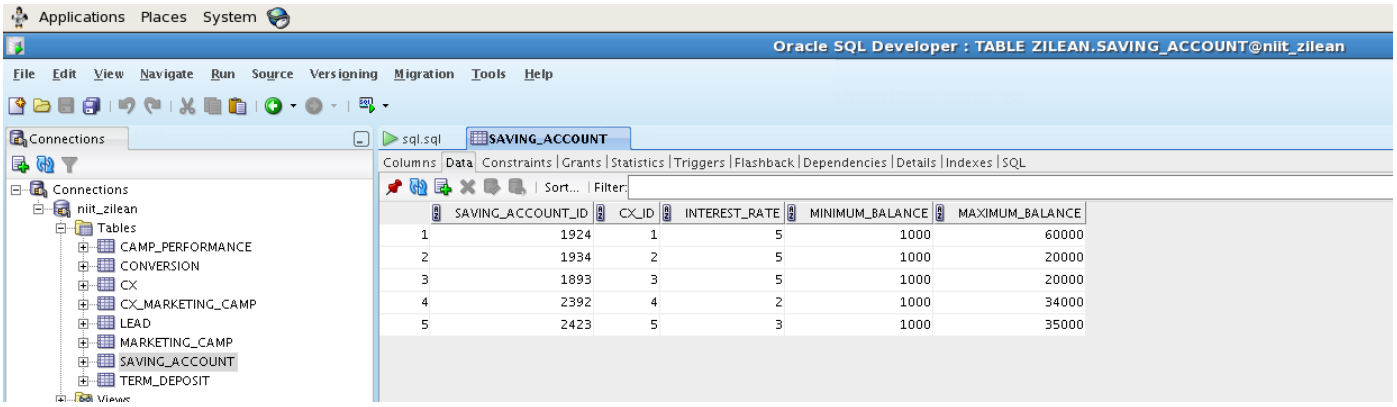


Table: Saving Account







About -

This schema can be used to store data about the bank's customers and their **financial activity**. The **marketing department can use this data** to train a machine learning model **to predict whether a customer is likely to take a term deposit**. The model can then be used to target marketing campaigns to customers who are most likely to be **interested in term deposits.**

Primary Key and foreign key -

Table name	Primary Key	Foreign Key
Cx	Cx_ID	None
Term – Deposit	Deposit_id	Cx_ID
Marketing Camp	Marketing_camp_id	None
Cx Marketing Camp	Cx_marketing_camp_id	marketing_camp_id And Cx_ID
Lead	Lead_id	marketing_camp_id And Cx_ID
Conversion	conversion_id	Deposit_id And Lead_id
Camp Performance	None	marketing_camp_id
Savings Account	Savings_Account_id	Cx_ID