

Name- Aryan Sharma

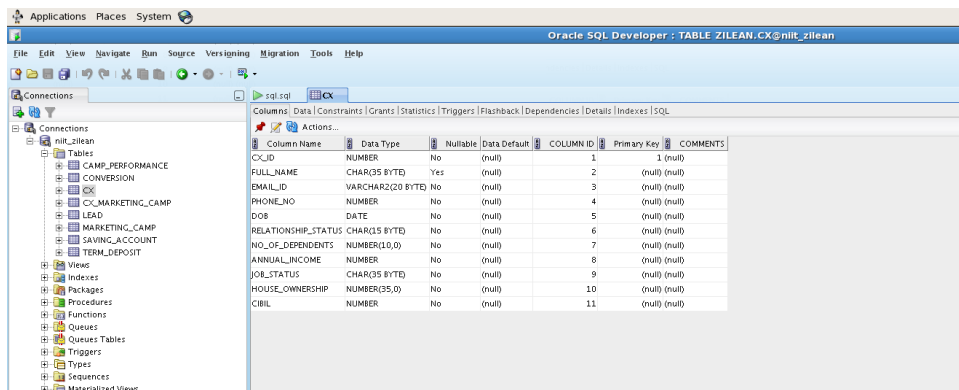
Enrollment no – BT21GCS161

Dimensional and NoSQL Databases

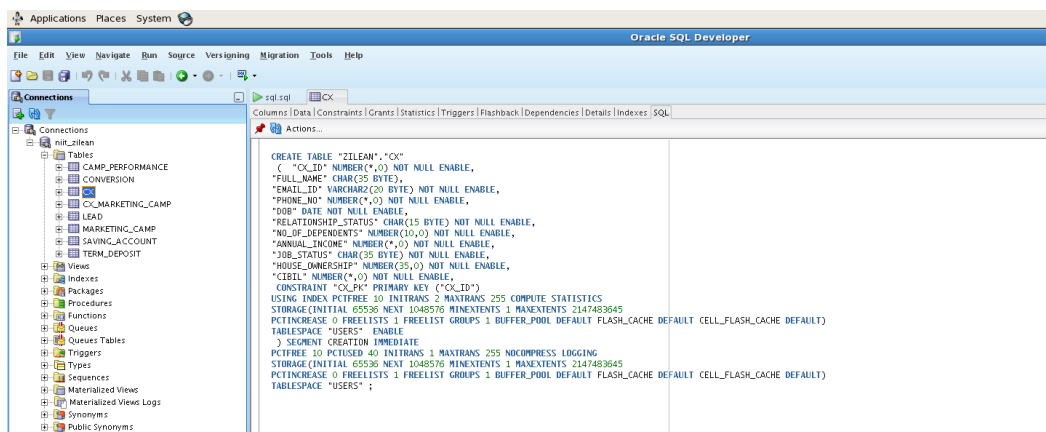
Assignment – 02

Question - Populate Schema in Oracle Instance – Banking System

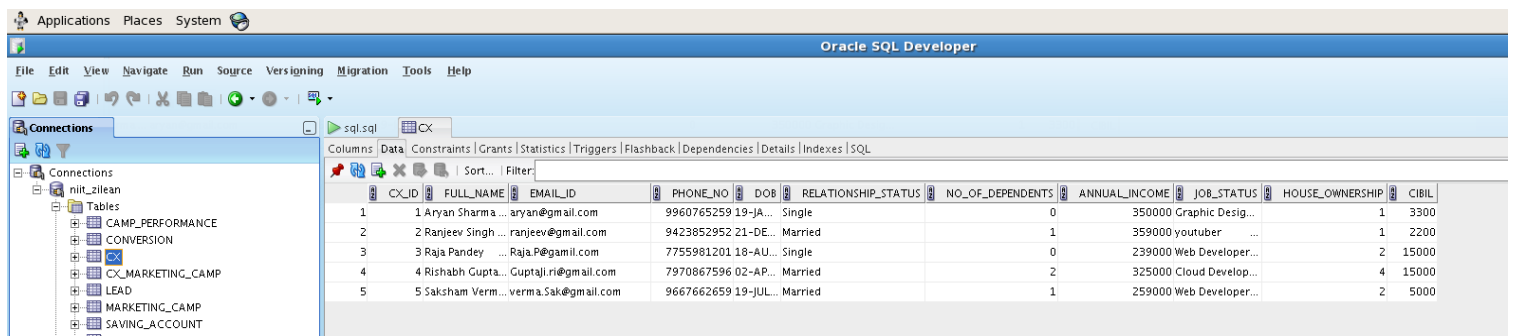
Table CX



| Column Name         | Data Type        | Nullable | Data Default | COLUMN ID | Primary Key | COMMENTS |
|---------------------|------------------|----------|--------------|-----------|-------------|----------|
| CX_ID               | NUMBER           | No       | (null)       | 1         | 1           | (null)   |
| FULL_NAME           | CHAR(25 BYTE)    | Yes      | (null)       | 2         |             | (null)   |
| EMAIL_ID            | VARCHAR(20 BYTE) | No       | (null)       | 3         |             | (null)   |
| PHONE_NO            | NUMBER           | No       | (null)       | 4         |             | (null)   |
| DOB                 | DATE             | No       | (null)       | 5         |             | (null)   |
| RELATIONSHIP_STATUS | CHAR(5 BYTE)     | No       | (null)       | 6         |             | (null)   |
| NO_OF_DEPENDENTS    | NUMBER(10,0)     | No       | (null)       | 7         |             | (null)   |
| ANNUAL_INCOME       | NUMBER           | No       | (null)       | 8         |             | (null)   |
| JOB_STATUS          | CHAR(35 BYTE)    | No       | (null)       | 9         |             | (null)   |
| HOUSE_OWNERSHIP     | NUMBER(35,0)     | No       | (null)       | 10        |             | (null)   |
| CIBIL               | NUMBER           | No       | (null)       | 11        |             | (null)   |



```
CREATE TABLE "ZILEAN"."CX"
(
  "CX_ID" NUMBER(*,0) NOT NULL ENABLE,
  "FULL_NAME" CHAR(35 BYTE),
  "EMAIL_ID" VARCHAR2(20 BYTE) NOT NULL ENABLE,
  "PHONE_NO" NUMBER(*,0) NOT NULL ENABLE,
  "DOB" DATE NOT NULL ENABLE,
  "RELATIONSHIP_STATUS" CHAR(15 BYTE) NOT NULL ENABLE,
  "NO_OF_DEPENDENTS" NUMBER(10,0) NOT NULL ENABLE,
  "ANNUAL_INCOME" NUMBER(*,0) NOT NULL ENABLE,
  "JOB_STATUS" CHAR(35 BYTE) NOT NULL ENABLE,
  "HOUSE_OWNERSHIP" NUMBER(35,0) NOT NULL ENABLE,
  "CIBIL" NUMBER(*,0) NOT NULL ENABLE,
  CONSTRAINT "CX_PK" PRIMARY KEY ("CX_ID")
)
USING INDEX PCTFREE 10 INTRANS 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"
)
SEGMENT CREATION IMMEDIATE
PCTFREE 10 PCTUSED 40 INTRANS 1 MAXTRANS 255 NOCOMRESS 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" ;
```



|   | CX_ID | FULL_NAME         | EMAIL_ID             | PHONE_NO   | DOB       | RELATIONSHIP_STATUS | NO_OF_DEPENDENTS | ANNUAL_INCOME | JOB_STATUS       | HOUSE_OWNERSHIP | CIBIL |
|---|-------|-------------------|----------------------|------------|-----------|---------------------|------------------|---------------|------------------|-----------------|-------|
| 1 | 1     | Aryan Sharma ...  | aryan@gmail.com      | 9960765259 | 19-JA...  | Single              | 0                | 350000        | Graphic Desig... | 1               | 3300  |
| 2 | 2     | Ranjeev Singh ... | ranjeev@gmail.com    | 9423852952 | 21-DE...  | Married             | 1                | 359000        | youtuber ...     | 1               | 2200  |
| 3 | 3     | Raja Pandey ...   | Raja.P@gmail.com     | 775981201  | 18-AU...  | Single              | 0                | 239000        | Web Developer... | 2               | 15000 |
| 4 | 4     | Rishabh Gupta...  | Guptaji.ri@gmail.com | 7970867596 | 02-AP...  | Married             | 2                | 325000        | Cloud Develop... | 4               | 15000 |
| 5 | 5     | Saksham Verm...   | verma.Sak@gmail.com  | 9667662659 | 19-JUL... | Married             | 1                | 259000        | Web Developer... | 2               | 5000  |

# Table term- Deposit

Oracle SQL Developer

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

| Column Name   | Data Type | Nullable | Data Default | COLUMN ID | Primary Key   | COMMENTS |
|---------------|-----------|----------|--------------|-----------|---------------|----------|
| DEPOSIT_ID    | NUMBER    | No       | (null)       | 1         | 1 (null)      |          |
| CX_ID         | NUMBER    | Yes      | (null)       | 2         | (null) (null) |          |
| TERM_LGTH     | NUMBER    | Yes      | (null)       | 3         | (null) (null) |          |
| INTEREST_RATE | NUMBER    | Yes      | (null)       | 4         | (null) (null) |          |
| AMOUNT        | NUMBER    | Yes      | (null)       | 5         | (null) (null) |          |
| OPENING_DATE  | DATE      | Yes      | (null)       | 6         | (null) (null) |          |
| CLOSING_DATE  | DATE      | Yes      | (null)       | 7         | (null) (null) |          |

Oracle SQL Developer : TABLE ZILEAN.TERM\_DEPOSIT@niit\_zilean

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

```
CREATE TABLE "ZILEAN"."TERM_DEPOSIT"
(
  "DEPOSIT_ID" NUMBER(*,0) NOT NULL ENABLE,
  "CX_ID" NUMBER(*,0),
  "TERM_LGTH" NUMBER(*,0),
  "INTEREST_RATE" NUMBER(*,0),
  "AMOUNT" NUMBER(*,0),
  "OPENING_DATE" DATE,
  "CLOSING_DATE" DATE,
  CONSTRAINT "TABLE1_PK" PRIMARY KEY ("DEPOSIT_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 "TERM_DEPOSIT_CX_FK1" FOREIGN KEY ("CX_ID")
    REFERENCES "ZILEAN"."CX" ("CX_ID") ENABLE
) SEGMENT CREATION IMMEDIATE
PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255 NOCOMPRESSION 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" ;
```

Oracle SQL Developer : TABLE ZILEAN.TERM\_DEPOSIT

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

| DEPOSIT_ID | CX_ID | TERM_LGTH | INTEREST_RATE | AMOUNT | OPENING_DATE | CLOSING_DATE |
|------------|-------|-----------|---------------|--------|--------------|--------------|
| 1          | 1022  | 2         | 5             | 650000 | 07-SEP-23    | 07-SEP-27    |
| 2          | 1023  | 3         | 6             | 350000 | 07-SEP-22    | 07-SEP-28    |
| 3          | 1024  | 4         | 0             | 0      | 10-NOV-22    | 10-NOV-22    |
| 4          | 1025  | 5         | 4             | 0      | 08-NOV-21    | 08-NOV-21    |
| 5          | 1026  | 1         | 5             | 960000 | 09-AUG-18    | 09-AUG-23    |

# Table Marketing\_Camp

Oracle SQL Developer : TABLE ZILEAN.MARKETING\_CAMP@niit\_zilean

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

| Column Name       | Data Type         | Nullable | Data Default | COLUMN ID | Primary Key   | COMMENTS |
|-------------------|-------------------|----------|--------------|-----------|---------------|----------|
| MARKETING_CAMP_ID | NUMBER            | No       | (null)       | 1         | 1 (null)      |          |
| NAME              | VARCHAR2(50 BYTE) | No       | (null)       | 2         | (null) (null) |          |
| START_DATE        | DATE              | No       | (null)       | 3         | (null) (null) |          |
| END_DATE          | DATE              | No       | (null)       | 4         | (null) (null) |          |
| TA                | VARCHAR2(80 BYTE) | No       | (null)       | 5         | (null) (null) |          |
| MSG               | VARCHAR2(80 BYTE) | Yes      | (null)       | 6         | (null) (null) |          |
| MEDIUM            | VARCHAR2(80 BYTE) | No       | (null)       | 7         | (null) (null) |          |

Oracle SQL Developer : TABLE ZILEAN.MARKETING\_CAMP@niit\_zilean

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

```
CREATE TABLE "ZILEAN"."MARKETING_CAMP"
(
  "MARKETING_CAMP_ID" NUMBER(*,0) NOT NULL ENABLE,
  "NAME" VARCHAR2(50 BYTE) NOT NULL ENABLE,
  "START_DATE" DATE NOT NULL ENABLE,
  "END_DATE" DATE NOT NULL ENABLE,
  "TA" VARCHAR2(80 BYTE) NOT NULL ENABLE,
  "MSG" VARCHAR2(80 BYTE),
  "MEDIUM" VARCHAR2(80 BYTE) NOT NULL ENABLE,
  CONSTRAINT "MARKETING_CAMP_PK" PRIMARY KEY ("MARKETING_CAMP_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
) 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" ;
```

Oracle SQL Developer : TABLE ZILEAN.MARKETING\_CAMP@niit\_zilean

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

| MARKETING_CAMP_ID | NAME        | START_DATE | END_DATE  | TA               | MSG   | MEDIUM   |
|-------------------|-------------|------------|-----------|------------------|---|----------|
| 1                 | 2423 Aman   | 07-SEP-21  | 04-DEC-21 | Personal Loan    | We're here to make your life essier                             | Internet |
| 2                 | 2425 Bharti | 07-JAN-23  | 07-MAY-23 | Educational Loan | Don't let money stand in the way of your education              | Internet |
| 3                 | 2534 Harsh  | 10-OCT-22  | 15-DEC-22 | Personal Loan    | We're here to help you achieve your dreams, without the hassle. | Internet |
| 4                 | 2535 Shruti | 07-SEP-23  | 20-DEC-23 | Gold Loan        | We're here to help you unlock the value of your gold.           | Internet |
| 5                 | 2536 Shwani | 07-AUG-20  | 07-DEC-20 | House Loan       | Get the home of your dreams.                                    | Internet |

Table : CX\_Marketing\_Camp

This screenshot shows the Oracle SQL Developer interface with the 'Columns' tab selected for the table CX\_MARKETING\_CAMP. The table structure is as follows:

| Column Name         | Data Type     | Nullable | Data Default | COLUMN ID | Primary Key   | COMMENTS |
|---------------------|---------------|----------|--------------|-----------|---------------|----------|
| CX_MARKETING_CAM... | NUMBER        | No       | (null)       | 1         | 1 (null)      |          |
| CX_ID               | NUMBER        | No       | (null)       | 2         | (null) (null) |          |
| MARKETING_CAMP_ID   | NUMBER        | No       | (null)       | 3         | (null) (null) |          |
| DATE_OPENED         | DATE          | No       | (null)       | 4         | (null) (null) |          |
| DATE_CLOSED         | DATE          | No       | (null)       | 5         | (null) (null) |          |
| RESPONSE            | CHAR(35 BYTE) | No       | (null)       | 6         | (null) (null) |          |

This screenshot shows the 'SQL' tab in Oracle SQL Developer, displaying the SQL statement used to create the CX\_MARKETING\_CAMP table:

```
CREATE TABLE "ZILEAN"."CX_MARKETING_CAMP"
(
  "CX_MARKETING_CAMP_ID" NUMBER(*,0) NOT NULL ENABLE,
  "CX_ID" NUMBER(*,0) NOT NULL ENABLE,
  "MARKETING_CAMP_ID" NUMBER(*,0) NOT NULL ENABLE,
  "DATE_OPENED" DATE NOT NULL ENABLE,
  "DATE_CLOSED" DATE NOT NULL ENABLE,
  "RESPONSE" CHAR(35 BYTE) NOT NULL ENABLE,
  CONSTRAINT "CX_MARKETING_CAMP_PK" PRIMARY KEY ("CX_MARKETING_CAMP_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 "CX_MARKETING_CAMP_CX_FK1" FOREIGN KEY ("CX_ID")
  REFERENCES "ZILEAN"."CX" ("CX_ID")  ENABLE,
  CONSTRAINT "CX_MARKETING_CAMP_MARKETI_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 NOCOMPRESSION 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" ;
```

This screenshot shows the 'Data' tab in Oracle SQL Developer, displaying the data stored in the CX\_MARKETING\_CAMP table:

|   | CX_MARKETING_CAMP_ID | CX_ID | MARKETING_CAMP_ID | DATE_OPENED | DATE_CLOSED | RESPONSE |
|---|----------------------|-------|-------------------|-------------|-------------|----------|
| 1 | 1243                 | 1     | 2423              | 25-JUL-18   | 09-AUG-18   | Agree    |
| 2 | 2146                 | 2     | 2425              | 04-SEP-23   | 07-SEP-23   | Agree    |
| 3 | 1242                 | 3     | 2534              | 29-AUG-22   | 06-SEP-22   | On Hold  |
| 4 | 5324                 | 4     | 2535              | 27-OCT-22   | 10-NOV-22   | disagree |
| 5 | 2362                 | 5     | 2536              | 03-NOV-21   | 08-NOV-21   | disagree |

# Table : Lead

Oracle SQL Developer : TABLE ZILEAN.LEAD@nilit\_zilean

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

| 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) |          |

Oracle SQL Developer : TABLE ZILEAN.LEAD@nilit\_zilean

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

```
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" ;
```

Oracle SQL Developer : TABLE ZILEAN.LEAD@nilit\_zilean

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

| 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

Oracle SQL Developer : TABLE ZILEAN.CONVERSION@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

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

Actions...

| Column Name   | Data Type | Nullable | Data Default | COLUMN ID | Primary Key   | COMMENTS |
|---------------|-----------|----------|--------------|-----------|---------------|----------|
| CONVERSION_ID | NUMBER    | No       | (null)       | 1         | 1 (null)      |          |
| LEAD_ID       | NUMBER    | No       | (null)       | 2         | (null) (null) |          |
| DEPOSIT_ID    | NUMBER    | No       | (null)       | 3         | (null) (null) |          |
| DATE_OPENED   | DATE      | No       | (null)       | 4         | (null) (null) |          |
| AMOUNT        | NUMBER    | No       | (null)       | 5         | (null) (null) |          |

Oracle SQL Developer : TABLE ZILEAN.CONVERSION@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
- Procedures
- Functions
- Queues
- Queues Tables
- Triggers
- Types
- Sequences
- Materialized Views
- Materialized Views Logs

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

Actions...

```
CREATE TABLE "ZILEAN"."CONVERSION"
(
  "CONVERSION_ID" NUMBER(*,0) NOT NULL ENABLE,
  "LEAD_ID" NUMBER(*,0) NOT NULL ENABLE,
  "DEPOSIT_ID" NUMBER(*,0) NOT NULL ENABLE,
  "DATE_OPENED" DATE NOT NULL ENABLE,
  "AMOUNT" NUMBER(*,0) NOT NULL ENABLE,
  CONSTRAINT "CONVERSION_PK" PRIMARY KEY ("CONVERSION_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 "CONVERSION_TERM_DEPOSIT_FK1" FOREIGN KEY ("DEPOSIT_ID")
  REFERENCES "ZILEAN"."TERM_DEPOSIT" ("DEPOSIT_ID") ENABLE,
  CONSTRAINT "CONVERSION_LEAD_FK1" FOREIGN KEY ("LEAD_ID")
  REFERENCES "ZILEAN"."LEAD" ("LEAD_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" ;
```

Oracle SQL Developer : TABLE ZILEAN.CONVERSION

File Edit View Navigate Run Source Versioning Migration Tools Help

Connections

niit\_zilean

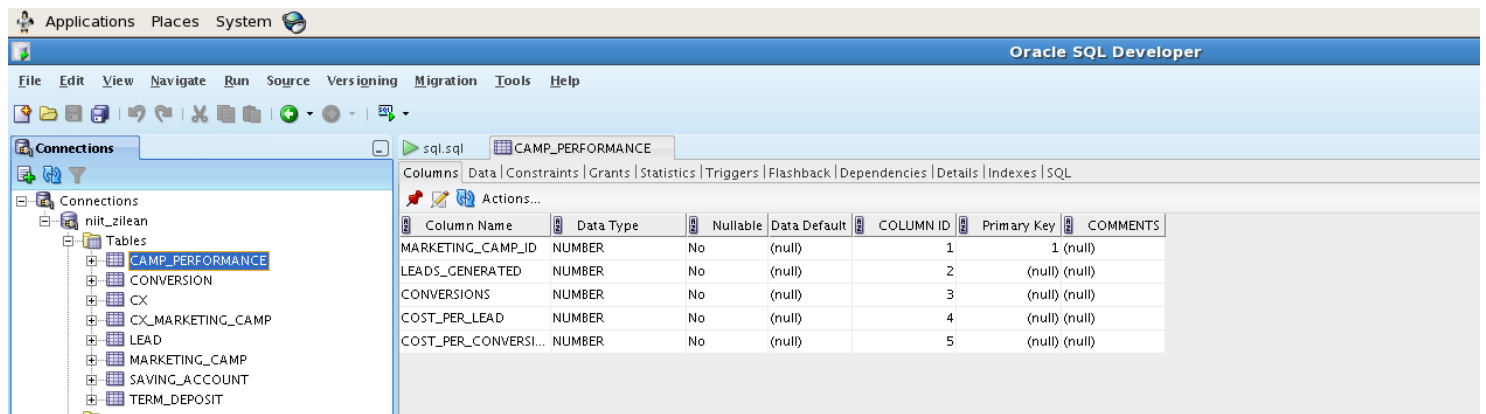
- Tables
  - CAMP\_PERFORMANCE
  - CONVERSION
  - CX
  - CX\_MARKETING\_CAMP
  - LEAD
  - MARKETING\_CAMP
  - SAVING\_ACCOUNT

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

Sort... | Filter:

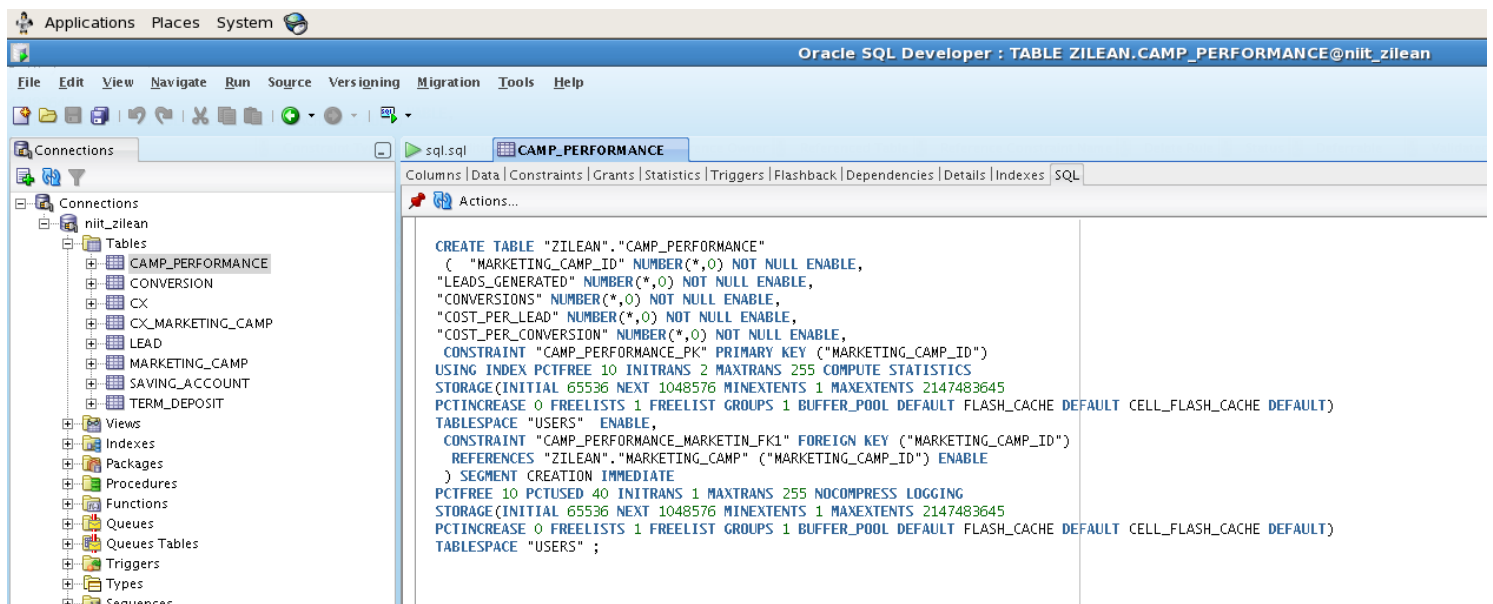
|   | CONVERSION_ID | LEAD_ID | DEPOSIT_ID     | DATE_OPENED | AMOUNT  |
|---|---------------|---------|----------------|-------------|---------|
| 1 | 1237          | 1201    | 1022 09-AUG-18 |             | 1169999 |
| 2 | 3483          | 1202    | 1023 07-SEP-23 |             | 812499  |
| 3 | 2822          | 1203    | 1024 06-SEP-22 |             | 413000  |
| 4 | 2332          | 1204    | 1025 09-SEP-23 |             | 0       |
| 5 | 2732          | 1205    | 1026 09-SEP-23 |             | 0       |

## Table: Camp\_performance



The screenshot shows the Oracle SQL Developer interface. The 'Connections' pane on the left lists the 'niit\_zilean' database and its tables, with 'CAMP\_PERFORMANCE' selected. The main pane displays the table's structure with the following columns:

| Column Name         | Data Type | Nullable | Data Default | COLUMN ID | Primary Key   | COMMENTS |
|---------------------|-----------|----------|--------------|-----------|---------------|----------|
| MARKETING_CAMP_ID   | NUMBER    | No       | (null)       | 1         | 1 (null)      |          |
| LEADS_GENERATED     | NUMBER    | No       | (null)       | 2         | (null) (null) |          |
| CONVERSIONS         | NUMBER    | No       | (null)       | 3         | (null) (null) |          |
| COST_PER_LEAD       | NUMBER    | No       | (null)       | 4         | (null) (null) |          |
| COST_PER_CONVERSION | NUMBER    | No       | (null)       | 5         | (null) (null) |          |



The screenshot shows the Oracle SQL Developer interface with the 'CAMP\_PERFORMANCE' table selected. The main pane displays the SQL script used to create the table:

```
CREATE TABLE "ZILEAN"."CAMP_PERFORMANCE"
(
  "MARKETING_CAMP_ID" NUMBER(*,0) NOT NULL ENABLE,
  "LEADS_GENERATED" NUMBER(*,0) NOT NULL ENABLE,
  "CONVERSIONS" NUMBER(*,0) NOT NULL ENABLE,
  "COST_PER_LEAD" NUMBER(*,0) NOT NULL ENABLE,
  "COST_PER_CONVERSION" NUMBER(*,0) NOT NULL ENABLE,
  CONSTRAINT "CAMP_PERFORMANCE_PK" PRIMARY KEY ("MARKETING_CAMP_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 "CAMP_PERFORMANCE_MARKETING_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" ;
```

The screenshot shows the Oracle SQL Developer interface. The top menu bar includes Applications, Places, System, and a user icon. Below the menu is a toolbar with icons for file operations and development. The main window is titled 'Oracle SQL Developer'. On the left, the 'Connections' pane shows a tree view with 'Connections', 'niti\_zilean', and 'Tables'. Under 'Tables', several tables are listed, including 'CAMP\_PERFORMANCE', which is selected. The main pane displays the data for the 'CAMP\_PERFORMANCE' table. The table has five columns: 'MARKETING\_CAMP\_ID', 'LEADS\_GENERATED', 'CONVERSIONS', 'COST\_PER\_LEAD', and 'COST\_PER\_CONVERSION'. There are five rows of data. The table is displayed in a grid format with alternating row colors.

## Table: Saving Account

This screenshot shows the Oracle SQL Developer interface with the 'Columns' tab selected for the 'SAVING\_ACCOUNT' table. The table structure is as follows:

| Column Name       | Data Type | Nullable | Data Default | COLUMN ID | Primary Key | COMMENTS      |
|-------------------|-----------|----------|--------------|-----------|-------------|---------------|
| SAVING_ACCOUNT_ID | NUMBER    | No       | (null)       | 1         | 1           | (null)        |
| CX_ID             | NUMBER    | No       | (null)       | 2         |             | (null) (null) |
| INTEREST_RATE     | NUMBER    | No       | (null)       | 3         |             | (null) (null) |
| MINIMUM_BALANCE   | NUMBER    | No       | (null)       | 4         |             | (null) (null) |
| MAXIMUM_BALANCE   | NUMBER    | No       | (null)       | 5         |             | (null) (null) |

This screenshot shows the 'SQL' tab in Oracle SQL Developer, displaying the SQL script used to create the 'ZILEAN.SAVING\_ACCOUNT' table. The script includes column definitions, a primary key constraint, a foreign key constraint, and storage parameters.

```
CREATE TABLE "ZILEAN"."SAVING_ACCOUNT"
(
  "SAVING_ACCOUNT_ID" NUMBER(*,0) NOT NULL ENABLE,
  "CX_ID" NUMBER(*,0) NOT NULL ENABLE,
  "INTEREST_RATE" NUMBER(*,0) NOT NULL ENABLE,
  "MINIMUM_BALANCE" NUMBER(*,0) NOT NULL ENABLE,
  "MAXIMUM_BALANCE" NUMBER(*,0) NOT NULL ENABLE,
  CONSTRAINT "SAVING_ACCOUNT_PK" PRIMARY KEY ("SAVING_ACCOUNT_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 "SAVING_ACCOUNT_CX_FK1" FOREIGN KEY ("CX_ID")
  REFERENCES "ZILEAN"."CX" ("CX_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" ;
```

This screenshot shows the 'Data' tab in Oracle SQL Developer, displaying the data for the 'SAVING\_ACCOUNT' table. The data is as follows:

| SAVING_ACCOUNT_ID | CX_ID | INTEREST_RATE | MINIMUM_BALANCE | MAXIMUM_BALANCE |       |
|-------------------|-------|---------------|-----------------|-----------------|-------|
| 1                 | 1924  | 1             | 5               | 1000            | 60000 |
| 2                 | 1934  | 2             | 5               | 1000            | 20000 |
| 3                 | 1893  | 3             | 5               | 1000            | 20000 |
| 4                 | 2392  | 4             | 2               | 1000            | 34000 |
| 5                 | 2423  | 5             | 3               | 1000            | 35000 |



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                       |