

--Star Schema

--DIMENSION TABLE

-- DDL for Table DW_BANKBRANCH_DIM

```
CREATE TABLE "DW_BANKBRANCH_DIM"
("BRANCHID" NUMBER(10,0) ,
"BRANCHNAME" VARCHAR2(255 CHAR) ,
"ADDRESS_LINE_1" VARCHAR2(50 CHAR) ,
"ADDRESS_LINE_2" VARCHAR2(50 CHAR) ,
"TOWN" VARCHAR2(20 CHAR) ,
"COUNTY" VARCHAR2(12 CHAR) ,
"POSTCODE" VARCHAR2(9 CHAR) ,
"LOCALITY" VARCHAR2(12 CHAR) ,
"TELEPHONE#" VARCHAR2(14 CHAR) ,
"FAX#" VARCHAR2(14 CHAR) ,
"BYPASS#" VARCHAR2(14 CHAR) ,
"APPROXIMATE_LIST_SIZE" VARCHAR2(5 CHAR) ,
"TYPE_OF_COMPUTER_SYSTEM" NUMBER(10,0) ,
"COMPUTER_USED_IN_CONSULTATIONS" NUMBER(10,0) ,
"APPOINTMENT_SYSTEM" NUMBER(10,0) ,
"LEAFLETS" NUMBER(10,0) ,
"DATE_OF_LAST_UPDATE" DATE ,
"TYPE_OF_BRANCH" NUMBER(10,0) ,
CONSTRAINT PK_BANCKBRANCH_DIM PRIMARY KEY(BRANCHID)
) ;
```

-- DDL for Table DW_SESSION_DIM

```
CREATE TABLE "DW_SESSION_DIM"
("SESSIONID" NUMBER(10,0) ,
"REQUESTID" NUMBER(10,0) ,
"TEMPID" NUMBER(10,0) ,
"SESSIONDATE" DATE ,
"SESSIONSTART" DATE ,
"SESSIONEND" DATE ,
"STATUS" VARCHAR2(50 CHAR) ,
"TYPE" NUMBER(10,0) ,
"COVERDESCRIPTION" VARCHAR2(50) ,
"EMPLOYEECOVERED" VARCHAR2(50 CHAR) ,
"DOPRINT" NUMBER(10,0) ,
CONSTRAINT PK_SESSION_DIM PRIMARY KEY(SESSIONID)
)
```

CREATE TABLE "DW_TEMPREQUEST_DIM"

```
("TEMPREQUESTID" NUMBER(10,0) ,
"BRANCHID" NUMBER(10,0) ,
"REQUEST_DATE" DATE ,
"START_DATE" DATE ,
"END_DATE" DATE ,
"MONDAY_AM" NUMBER(10,0) ,
```

```

"MONDAY_PM"    NUMBER(10,0) ,
"TUESDAY_AM"   NUMBER(10,0) ,
"TUESDAY_PM"   NUMBER(10,0) ,
"WEDNESDAY_AM" NUMBER(10,0) ,
"WEDNESDAY_PM" NUMBER(10,0) ,
"THURSDAY_AM"  NUMBER(10,0) ,
"THURSDAY_PM"  NUMBER(10,0) ,
"FRIDAY_AM"    NUMBER(10,0) ,
"FRIDAY_PM"    NUMBER(10,0) ,
"SATURDAY_AM"  NUMBER(10,0) ,
"REQUEST_STATUS" NUMBER(10,0) ,
"NUMBER_OF_WEEKS" NUMBER(10,0) ,
"COMMENTS"     CLOB,
CONSTRAINT PK_TEMPREQUEST_DIM PRIMARY KEY (TEMPREQUESTID)
)

```

```

CREATE TABLE DW_TIME_DIM (
DATE_ID NUMBER,
US_Date DATE NOT NULL,
YEAR int NOT NULL,
MONTH int NOT NULL,
DAY int NOT NULL,
Week int NOT NULL,
CONSTRAINT PK_DW_TIME_DIM PRIMARY KEY (DATE_ID)
);

```

--FACT TABLE

```

CREATE TABLE "DW_BRANCH_TEMP_FACT"
( "BRANCHID" NUMBER(10,0) ,
  "TEMPREQUESTID" NUMBER(10,0) ,
  "SESSIONID" NUMBER(10,0) ,
  "DATE_ID" NUMBER,
  "SESSION_DATE" DATE
)

PARTITION BY RANGE (SESSION_DATE)
(
PARTITION DW_BRANCH_TEMP_FACT_2011 VALUES LESS THAN (TO_DATE('01/01/2011','DD/MM/YYYY')),
PARTITION DW_BRANCH_TEMP_FACT_2012 VALUES LESS THAN (TO_DATE('01/01/2012','DD/MM/YYYY')),
PARTITION DW_BRANCH_TEMP_FACT_2013 VALUES LESS THAN (TO_DATE('01/01/2013','DD/MM/YYYY')),
PARTITION DW_BRANCH_TEMP_FACT_2014 VALUES LESS THAN (TO_DATE('01/01/2014','DD/MM/YYYY'))
);

ALTER TABLE "DW_BRANCH_TEMP_FACT" ADD CONSTRAINT "FK_BRANCHID" FOREIGN KEY ("BRANCHID")
REFERENCES "BANKBRANCH" ("BRANCHID") ENABLE;
ALTER TABLE "DW_BRANCH_TEMP_FACT" ADD CONSTRAINT "FK_DATE_ID" FOREIGN KEY ("DATE_ID")
REFERENCES "DW_TIME_DIM" ("DATE_ID") ENABLE;
ALTER TABLE "DW_BRANCH_TEMP_FACT" ADD CONSTRAINT "FK_SESSION_ID" FOREIGN KEY ("SESSIONID")
REFERENCES "SESSION_" ("SESSIONID") ENABLE;
ALTER TABLE "DW_BRANCH_TEMP_FACT" ADD CONSTRAINT "FK_TEMP_REQUEST_ID" FOREIGN KEY (
"TEMPREQUESTID")
REFERENCES "TEMPREQUEST" ("TEMPREQUESTID") ENABLE;

```