

```
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-- File created - Thursday-May-02-2024  
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-----  
-- DDL for Table ACCOUNT_EXECUTIVE  
-----
```

```
CREATE TABLE "ACCOUNT_EXECUTIVE"  
  ( "EXECUTIVEID" NUMBER(38,0),  
    "KEYACCOUNT" VARCHAR2(26 BYTE)  
  ) ;
```

```
-----  
-- DDL for Table BILLING  
-----
```

```
CREATE TABLE "BILLING"  
  ( "BILLID" NUMBER(38,0),  
    "AMOUNT" NUMBER(38,0),  
    "DUEDATE" DATE,  
    "CLIENTID" NUMBER(38,0),  
    "PROJECTID" NUMBER(38,0),  
    "STATUS" VARCHAR2(26 BYTE)  
  ) ;
```

```
-----  
-- DDL for Table CAMPAIGNS  
-----
```

```
CREATE TABLE "CAMPAIGNS"  
  ( "CAMPAIGNID" NUMBER(38,0),  
    "PROJECTID" NUMBER(38,0),  
    "TITLE" VARCHAR2(128 BYTE),  
    "DESCRIPTION" VARCHAR2(128 BYTE),  
    "STARTDATE" DATE,  
    "ENDDATE" DATE,  
    "OBJECTIVE" VARCHAR2(128 BYTE),  
    "STATUS" VARCHAR2(26 BYTE)  
  ) ;
```

```
-----  
-- DDL for Table CAMPAIGN_MEDIA  
-----
```

```
CREATE TABLE "CAMPAIGN_MEDIA"  
  ( "MEDIAID" NUMBER(38,0),  
    "CAMPAIGNID" NUMBER(38,0),  
    "MEDIATYPE" VARCHAR2(26 BYTE),  
    "USAGEDATE" DATE,  
    "IMPACT" VARCHAR2(26 BYTE),  
    "COST" NUMBER(38,0)  
  ) ;
```

```
-----  
-- DDL for Table CLIENTS  
-----
```

```
CREATE TABLE "CLIENTS"
```

```

        ( "CLIENTID" NUMBER(38,0),
          "NAME" VARCHAR2(128 BYTE),
          "INDUSTRY" VARCHAR2(128 BYTE),
          "CONTACTINFO" VARCHAR2(128 BYTE),
          "SERVICELEVEL" VARCHAR2(26 BYTE)
        ) ;
-----
-- DDL for Table CONTENTS
-----

CREATE TABLE "CONTENTS"
( "CONTENTID" NUMBER(38,0),
  "TYPE" VARCHAR2(26 BYTE),
  "TITLE" VARCHAR2(128 BYTE),
  "PUBLICATIONDATE" DATE,
  "PROJECTID" NUMBER(38,0)
) ;
-----
-- DDL for Table CONTRACTS
-----

CREATE TABLE "CONTRACTS"
( "CONTRACTID" NUMBER(38,0),
  "CLIENTID" NUMBER(38,0),
  "STARTDATE" DATE,
  "ENDDATE" DATE,
  "TERMS" VARCHAR2(26 BYTE),
  "STATUS" VARCHAR2(26 BYTE)
) ;
-----
-- DDL for Table CUSTOMERS
-----

CREATE TABLE "CUSTOMERS"
( "CUSTOMERNUMBER" NUMBER(*,0),
  "CUSTOMERNAME" VARCHAR2(50 BYTE),
  "CONTACTLASTNAME" VARCHAR2(50 BYTE),
  "CONTACTFIRSTNAME" VARCHAR2(50 BYTE),
  "PHONE" VARCHAR2(50 BYTE),
  "ADDRESSLINE1" VARCHAR2(50 BYTE),
  "ADDRESSLINE2" VARCHAR2(50 BYTE) DEFAULT NULL,
  "CITY" VARCHAR2(50 BYTE),
  "STATE" VARCHAR2(50 BYTE) DEFAULT NULL,
  "POSTALCODE" VARCHAR2(15 BYTE) DEFAULT NULL,
  "COUNTRY" VARCHAR2(50 BYTE),
  "SALESREPEMPLYEENUMBER" NUMBER(*,0) DEFAULT NULL,
  "CREDITLIMIT" NUMBER(10,2) DEFAULT NULL
) ;
-----
-- DDL for Table DEPARTMENTS
-----

CREATE TABLE "DEPARTMENTS"
( "DEPARTMENTID" NUMBER(38,0),

```

```

        "NAME" VARCHAR2(26 BYTE),
        "FUNCTION" VARCHAR2(128 BYTE)
    ) ;
-----
-- DDL for Table DIGITAL_STRATEGIST
-----

CREATE TABLE "DIGITAL_STRATEGIST"
( "STRATEGISTID" NUMBER(38,0),
  "FOCUSAREA" VARCHAR2(26 BYTE)
) ;
-----
-- DDL for Table EMPLOYEE
-----

CREATE TABLE "EMPLOYEE"
( "EMPLOYEEID" NUMBER(38,0),
  "FIRSTNAME" VARCHAR2(26 BYTE),
  "LASTNAME" VARCHAR2(26 BYTE),
  "POSITION" VARCHAR2(26 BYTE),
  "DEPARTMENTID" NUMBER(38,0)
) ;
-----
-- DDL for Table EMPLOYEES
-----

CREATE TABLE "EMPLOYEES"
( "EMPLOYEEID" NUMBER(*,0),
  "LASTNAME" VARCHAR2(50 BYTE),
  "FIRSTNAME" VARCHAR2(50 BYTE),
  "EXTENSION" VARCHAR2(10 BYTE),
  "EMAIL" VARCHAR2(100 BYTE),
  "OFFICECODE" VARCHAR2(10 BYTE),
  "REPORTSTO" NUMBER(*,0) DEFAULT NULL,
  "JOBTITLE" VARCHAR2(50 BYTE)
) ;
-----
-- DDL for Table EVENTMEDIACONTACT
-----

CREATE TABLE "EVENTMEDIACONTACT"
( "EVENTID" NUMBER(38,0),
  "CONTACTID" NUMBER(38,0)
) ;
-----
-- DDL for Table EVENTS
-----

CREATE TABLE "EVENTS"
( "EVENTID" NUMBER(38,0),
  "NAME" VARCHAR2(128 BYTE),
  "LOCATION" VARCHAR2(128 BYTE),
  "EVENT_DATE" DATE,
  "PROJECTID" NUMBER(38,0)

```

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    ) ;
-----
-- DDL for Table EXPENSES
-----

CREATE TABLE "EXPENSES"
( "EXPENSEID" NUMBER(38,0),
  "DESCRIPTION" VARCHAR2(128 BYTE),
  "AMOUNT" NUMBER(38,0),
  "EXPENSE_DATE" DATE,
  "EMPLOYEEID" NUMBER(38,0)
) ;
-----
-- DDL for Table FEEDBACK
-----

CREATE TABLE "FEEDBACK"
( "FEEDBACKID" NUMBER(38,0),
  "CAMPAIGNID" NUMBER(38,0),
  "SOURCE" VARCHAR2(26 BYTE),
  "CONTENT" VARCHAR2(128 BYTE),
  "DATERECEIVED" DATE
) ;
-----
-- DDL for Table INVOICE_ITEMS
-----

CREATE TABLE "INVOICE_ITEMS"
( "ITEMID" NUMBER(38,0),
  "BILLID" NUMBER(38,0),
  "DESCRIPTION" VARCHAR2(128 BYTE),
  "COST" NUMBER(38,2)
) ;
-----
-- DDL for Table MEDIA_CONTACTS
-----

CREATE TABLE "MEDIA_CONTACTS"
( "CONTACTID" NUMBER(38,0),
  "NAME" VARCHAR2(26 BYTE),
  "EMAIL" VARCHAR2(128 BYTE),
  "PHONE" VARCHAR2(26 BYTE),
  "MEDIAOUTLET" VARCHAR2(128 BYTE)
) ;
-----
-- DDL for Table OFFICES
-----

CREATE TABLE "OFFICES"
( "OFFICECODE" VARCHAR2(10 BYTE),
  "CITY" VARCHAR2(50 BYTE),
  "PHONE" VARCHAR2(50 BYTE),
  "ADDRESSLINE1" VARCHAR2(50 BYTE),
  "ADDRESSLINE2" VARCHAR2(50 BYTE) DEFAULT NULL,

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        "STATE" VARCHAR2(50 BYTE) DEFAULT NULL,
        "COUNTRY" VARCHAR2(50 BYTE),
        "POSTALCODE" VARCHAR2(15 BYTE),
        "TERRITORY" VARCHAR2(10 BYTE)
    ) ;
-----
-- DDL for Table ORDERDETAILS
-----

CREATE TABLE "ORDERDETAILS"
( "ORDERNUMBER" NUMBER(*,0),
  "PRODUCTCODE" NVARCHAR2(50),
  "QUANTITYORDERED" NUMBER(*,0),
  "PRICEEACH" NUMBER(10,2),
  "ORDERLINENUMBER" NUMBER(*,0)
) ;
-----
-- DDL for Table ORDERS
-----

CREATE TABLE "ORDERS"
( "ORDERNUMBER" NUMBER(*,0),
  "ORDERDATE" VARCHAR2(1000 BYTE),
  "REQUIREDDATE" VARCHAR2(1000 BYTE),
  "SHIPPEDDATE" VARCHAR2(1000 BYTE) DEFAULT NULL,
  "STATUS" VARCHAR2(15 BYTE),
  "COMMENTS" VARCHAR2(4000 BYTE),
  "CUSTOMERNUMBER" NUMBER(*,0)
) ;
-----
-- DDL for Table PAYMENT
-----

CREATE TABLE "PAYMENT"
( "PAYMENTID" NUMBER(38,0),
  "BILLID" NUMBER(38,0),
  "AMOUNT" NUMBER(38,0),
  "PAYMENTDATE" DATE,
  "METHOD" VARCHAR2(26 BYTE)
) ;
-----
-- DDL for Table PAYMENTS
-----

CREATE TABLE "PAYMENTS"
( "CUSTOMERNUMBER" NUMBER(*,0),
  "CHECKNUMBER" VARCHAR2(50 BYTE),
  "PAYMENTDATE" VARCHAR2(1000 BYTE),
  "AMOUNT" NUMBER(10,2)
) ;
-----
-- DDL for Table PERFORMANCE_METRICS
-----

```

```

CREATE TABLE "PERFORMANCE_METRICS"
( "METRICID" NUMBER(38,0),
  "CAMPAIGNID" NUMBER(38,0),
  "KEYMETRIC" VARCHAR2(128 BYTE),
  "VALUE" NUMBER(38,0),
  "DATEMEASURED" DATE
) ;
-----
-- DDL for Table PRODUCTLINES
-----

CREATE TABLE "PRODUCTLINES"
( "PRODUCTLINE" VARCHAR2(50 BYTE),
  "TEXTDESCRIPTION" VARCHAR2(4000 BYTE) DEFAULT NULL,
  "HTMLDESCRIPTION" CLOB,
  "IMAGE" CLOB
) ;
-----
-- DDL for Table PRODUCTS
-----

CREATE TABLE "PRODUCTS"
( "PRODUCTCODE" NVARCHAR2(50),
  "PRODUCTNAME" VARCHAR2(70 BYTE),
  "PRODUCTLINE" VARCHAR2(50 BYTE),
  "PRODUCTSCALE" VARCHAR2(10 BYTE),
  "PRODUCTVENDOR" VARCHAR2(50 BYTE),
  "PRODUCTDESCRIPTION" CLOB,
  "QUANTITYINSTOCK" NUMBER(*,0),
  "BUYPRICE" NUMBER(10,2),
  "MSRP" NUMBER(10,2)
) ;
-----
-- DDL for Table PROJECTEMPLOYEE
-----

CREATE TABLE "PROJECTEMPLOYEE"
( "PROJECTID" NUMBER(38,0),
  "EMPLOYEEID" NUMBER(38,0)
) ;
-----
-- DDL for Table PROJECTS
-----

CREATE TABLE "PROJECTS"
( "PROJECTID" NUMBER(38,0),
  "TITLE" VARCHAR2(26 BYTE),
  "DESCRIPTION" VARCHAR2(128 BYTE),
  "STARTDATE" DATE,
  "ENDDATE" DATE,
  "CLIENTID" NUMBER(38,0)
) ;
-----
-- DDL for Table PR_MANAGER

```

```
-----  
CREATE TABLE "PR_MANAGER"  
  ( "MANAGERID" NUMBER(38,0),  
    "SPECIALIZATION" VARCHAR2(26 BYTE)  
  ) ;  
-----
```

```
-- DDL for Table PURCHASE_ORDERS  
-----
```

```
CREATE TABLE "PURCHASE_ORDERS"  
  ( "POID" NUMBER(38,0),  
    "SUPPLIERID" NUMBER(38,0),  
    "PURCHASE_DATE" DATE,  
    "AMOUNT" NUMBER(38,0),  
    "STATUS" VARCHAR2(26 BYTE)  
  ) ;  
-----
```

```
-- DDL for Table RESOURCES  
-----
```

```
CREATE TABLE "RESOURCES"  
  ( "RESOURCEID" NUMBER(38,0),  
    "TYPE" VARCHAR2(26 BYTE),  
    "AVAILABILITY" VARCHAR2(26 BYTE),  
    "DEPARTMENTID" NUMBER(38,0)  
  ) ;  
-----
```

```
-- DDL for Table STRATEGIES  
-----
```

```
CREATE TABLE "STRATEGIES"  
  ( "STRATEGYID" NUMBER(38,0),  
    "CAMPAIGNID" NUMBER(38,0),  
    "DESCRIPTION" VARCHAR2(128 BYTE),  
    "TYPE" VARCHAR2(26 BYTE)  
  ) ;  
-----
```

```
-- DDL for Table SUPPLIERS  
-----
```

```
CREATE TABLE "SUPPLIERS"  
  ( "SUPPLIERID" NUMBER(38,0),  
    "NAME" VARCHAR2(128 BYTE),  
    "CONTACTINFO" VARCHAR2(128 BYTE),  
    "TYPE" VARCHAR2(26 BYTE)  
  ) ;  
-----
```

```
-- DDL for Table TARGET_AUDIENCE  
-----
```

```
CREATE TABLE "TARGET_AUDIENCE"  
  ( "AUDIENCEID" NUMBER(38,0),  
    "CAMPAIGNID" NUMBER(38,0),
```

```

        "DEMOGRAPHICS" VARCHAR2(128 BYTE),
        "INTERESTS" VARCHAR2(128 BYTE),
        "BEHAVIOURS" VARCHAR2(128 BYTE)
    ) ;
-----
-- DDL for Index DEPARTMENTID
-----

CREATE UNIQUE INDEX "DEPARTMENTID" ON "DEPARTMENTS" ("DEPARTMENTID")
;
-----
-- DDL for Index PK_BILLING
-----

CREATE UNIQUE INDEX "PK_BILLING" ON "BILLING" ("BILLID")
;
-----
-- DDL for Index PK_CAMPAIGN
-----

CREATE UNIQUE INDEX "PK_CAMPAIGN" ON "CAMPAIGNS" ("CAMPAIGNID")
;
-----
-- DDL for Index PK_CAMPAIGNMEDIA
-----

CREATE UNIQUE INDEX "PK_CAMPAIGNMEDIA" ON "CAMPAIGN_MEDIA" ("MEDIAID")
;
-----
-- DDL for Index PK_CLIENTID
-----

CREATE UNIQUE INDEX "PK_CLIENTID" ON "CLIENTS" ("CLIENTID")
;
-----
-- DDL for Index PK_CONTENT
-----

CREATE UNIQUE INDEX "PK_CONTENT" ON "CONTENTS" ("CONTENTID")
;
-----
-- DDL for Index PK_CONTRACT
-----

CREATE UNIQUE INDEX "PK_CONTRACT" ON "CONTRACTS" ("CONTRACTID")
;
-----
-- DDL for Index PK_EMPLOYEE
-----

CREATE UNIQUE INDEX "PK_EMPLOYEE" ON "EMPLOYEE" ("EMPLOYEEID")
;
-----
-- DDL for Index PK_EVENT
-----

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-----
CREATE UNIQUE INDEX "PK_EVENT" ON "EVENTS" ("EVENTID")
;
-----
-- DDL for Index PK_EXPENSE
-----

CREATE UNIQUE INDEX "PK_EXPENSE" ON "EXPENSES" ("EXPENSEID")
;
-----
-- DDL for Index PK_FEEDBACK
-----

CREATE UNIQUE INDEX "PK_FEEDBACK" ON "FEEDBACK" ("FEEDBACKID")
;
-----
-- DDL for Index PK_INVOICEITEM
-----

CREATE UNIQUE INDEX "PK_INVOICEITEM" ON "INVOICE_ITEMS" ("ITEMID")
;
-----
-- DDL for Index PK_MEDIACONTACT
-----

CREATE UNIQUE INDEX "PK_MEDIACONTACT" ON "MEDIA_CONTACTS" ("CONTACTID")
;
-----
-- DDL for Index PK_PAYMENT
-----

CREATE UNIQUE INDEX "PK_PAYMENT" ON "PAYMENT" ("PAYMENTID")
;
-----
-- DDL for Index PK_PERFORMANCEMETRICS
-----

CREATE UNIQUE INDEX "PK_PERFORMANCEMETRICS" ON "PERFORMANCE_METRICS"
("METRICID")
;
-----
-- DDL for Index PK_PROJECT
-----

CREATE UNIQUE INDEX "PK_PROJECT" ON "PROJECTS" ("PROJECTID")
;
-----
-- DDL for Index PK_PURCHASEORDER
-----

CREATE UNIQUE INDEX "PK_PURCHASEORDER" ON "PURCHASE_ORDERS" ("POID")
;
-----

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-- DDL for Index PK_RESOURCE
-----

CREATE UNIQUE INDEX "PK_RESOURCE" ON "RESOURCES" ("RESOURCEID")
;
-----

-- DDL for Index PK_STRATEGY
-----

CREATE UNIQUE INDEX "PK_STRATEGY" ON "STRATEGIES" ("STRATEGYID")
;
-----

-- DDL for Index PK_SUPPLIER
-----

CREATE UNIQUE INDEX "PK_SUPPLIER" ON "SUPPLIERS" ("SUPPLIERID")
;
-----

-- DDL for Index PK_TARGETAUDIENCE
-----

CREATE UNIQUE INDEX "PK_TARGETAUDIENCE" ON "TARGET_AUDIENCE"
("AUDIENCEID")
;
-----

-- Constraints for Table PAYMENTS
-----

ALTER TABLE "PAYMENTS" MODIFY ("CUSTOMERNUMBER" NOT NULL ENABLE);
ALTER TABLE "PAYMENTS" MODIFY ("CHECKNUMBER" NOT NULL ENABLE);
ALTER TABLE "PAYMENTS" MODIFY ("PAYMENTDATE" NOT NULL ENABLE);
ALTER TABLE "PAYMENTS" MODIFY ("AMOUNT" NOT NULL ENABLE);
ALTER TABLE "PAYMENTS" ADD PRIMARY KEY ("CUSTOMERNUMBER", "CHECKNUMBER")
DISABLE;
-----

-- Constraints for Table PAYMENT
-----

ALTER TABLE "PAYMENT" ADD CONSTRAINT "PK_PAYMENT" PRIMARY KEY
("PAYMENTID")
USING INDEX ENABLE;
-----

-- Constraints for Table CONTRACTS
-----

ALTER TABLE "CONTRACTS" ADD CONSTRAINT "PK_CONTRACT" PRIMARY KEY
("CONTRACTID")
USING INDEX ENABLE;
-----

-- Constraints for Table PURCHASE_ORDERS
-----

ALTER TABLE "PURCHASE_ORDERS" ADD CONSTRAINT "PK_PURCHASEORDER" PRIMARY
KEY ("POID")

```

```

        USING INDEX    ENABLE;
-----
--  Constraints for Table ORDERDETAILS
-----

ALTER TABLE "ORDERDETAILS" MODIFY ("ORDERNUMBER" NOT NULL ENABLE);
ALTER TABLE "ORDERDETAILS" MODIFY ("PRODUCTCODE" NOT NULL ENABLE);
ALTER TABLE "ORDERDETAILS" MODIFY ("QUANTITYORDERED" NOT NULL ENABLE);
ALTER TABLE "ORDERDETAILS" MODIFY ("PRICEEACH" NOT NULL ENABLE);
ALTER TABLE "ORDERDETAILS" MODIFY ("ORDERLINENUMBER" NOT NULL ENABLE);
ALTER TABLE "ORDERDETAILS" ADD PRIMARY KEY ("ORDERNUMBER",
"PRODUCTCODE") DISABLE;
-----
--  Constraints for Table TARGET_AUDIENCE
-----

ALTER TABLE "TARGET_AUDIENCE" ADD CONSTRAINT "PK_TARGETAUDIENCE" PRIMARY
KEY ("AUDIENCEID")
    USING INDEX    ENABLE;
-----
--  Constraints for Table CONTENTS
-----

ALTER TABLE "CONTENTS" ADD CONSTRAINT "PK_CONTENT" PRIMARY KEY
("CONTENTID")
    USING INDEX    ENABLE;
-----
--  Constraints for Table MEDIA_CONTACTS
-----

ALTER TABLE "MEDIA_CONTACTS" ADD CONSTRAINT "PK_MEDIACONTACT" PRIMARY
KEY ("CONTACTID")
    USING INDEX    ENABLE;
-----
--  Constraints for Table ORDERS
-----

ALTER TABLE "ORDERS" MODIFY ("ORDERNUMBER" NOT NULL ENABLE);
ALTER TABLE "ORDERS" MODIFY ("ORDERDATE" NOT NULL ENABLE);
ALTER TABLE "ORDERS" MODIFY ("REQUIREDDATE" NOT NULL ENABLE);
ALTER TABLE "ORDERS" MODIFY ("STATUS" NOT NULL ENABLE);
ALTER TABLE "ORDERS" MODIFY ("CUSTOMERNUMBER" NOT NULL ENABLE);
ALTER TABLE "ORDERS" ADD PRIMARY KEY ("ORDERNUMBER")
    USING INDEX    ENABLE;
-----
--  Constraints for Table BILLING
-----

ALTER TABLE "BILLING" ADD CONSTRAINT "PK_BILLING" PRIMARY KEY ("BILLID")
    USING INDEX    ENABLE;
-----
--  Constraints for Table PRODUCTLINES
-----

```

```

ALTER TABLE "PRODUCTLINES" MODIFY ("PRODUCTLINE" NOT NULL ENABLE);
ALTER TABLE "PRODUCTLINES" ADD PRIMARY KEY ("PRODUCTLINE")
USING INDEX ENABLE;
-----
-- Constraints for Table OFFICES
-----

ALTER TABLE "OFFICES" MODIFY ("OFFICECODE" NOT NULL ENABLE);
ALTER TABLE "OFFICES" MODIFY ("CITY" NOT NULL ENABLE);
ALTER TABLE "OFFICES" MODIFY ("PHONE" NOT NULL ENABLE);
ALTER TABLE "OFFICES" MODIFY ("ADDRESSLINE1" NOT NULL ENABLE);
ALTER TABLE "OFFICES" MODIFY ("COUNTRY" NOT NULL ENABLE);
ALTER TABLE "OFFICES" MODIFY ("POSTALCODE" NOT NULL ENABLE);
ALTER TABLE "OFFICES" MODIFY ("TERRITORY" NOT NULL ENABLE);
ALTER TABLE "OFFICES" ADD PRIMARY KEY ("OFFICECODE")
USING INDEX ENABLE;
-----
-- Constraints for Table CLIENTS
-----

ALTER TABLE "CLIENTS" ADD CONSTRAINT "PK_CLIENTID" PRIMARY KEY
("CLIENTID")
USING INDEX ENABLE;
-----
-- Constraints for Table EVENTS
-----

ALTER TABLE "EVENTS" ADD CONSTRAINT "PK_EVENT" PRIMARY KEY ("EVENTID")
USING INDEX ENABLE;
-----
-- Constraints for Table INVOICE_ITEMS
-----

ALTER TABLE "INVOICE_ITEMS" ADD CONSTRAINT "PK_INVOICEITEM" PRIMARY KEY
("ITEMID")
USING INDEX ENABLE;
-----
-- Constraints for Table PRODUCTS
-----

ALTER TABLE "PRODUCTS" MODIFY ("PRODUCTCODE" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("PRODUCTNAME" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("PRODUCTLINE" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("PRODUCTSCALE" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("PRODUCTVENDOR" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("PRODUCTDESCRIPTION" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("QUANTITYINSTOCK" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("BUYPRICE" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" MODIFY ("MSRP" NOT NULL ENABLE);
ALTER TABLE "PRODUCTS" ADD PRIMARY KEY ("PRODUCTCODE")
USING INDEX ENABLE;
-----
-- Constraints for Table PERFORMANCE_METRICS
-----

```

```
ALTER TABLE "PERFORMANCE_METRICS" ADD CONSTRAINT "PK_PERFORMANCEMETRICS"
PRIMARY KEY ("METRICID")
  USING INDEX  ENABLE;
```

```
-----
-- Constraints for Table CAMPAIGNS
-----
```

```
ALTER TABLE "CAMPAIGNS" ADD CONSTRAINT "PK_CAMPAIGN" PRIMARY KEY
("CAMPAIGNID")
  USING INDEX  ENABLE;
```

```
-----
-- Constraints for Table EMPLOYEE
-----
```

```
ALTER TABLE "EMPLOYEE" ADD CONSTRAINT "PK_EMPLOYEE" PRIMARY KEY
("EMPLOYEEID")
  USING INDEX  ENABLE;
```

```
-----
-- Constraints for Table SUPPLIERS
-----
```

```
ALTER TABLE "SUPPLIERS" ADD CONSTRAINT "PK_SUPPLIER" PRIMARY KEY
("SUPPLIERID")
  USING INDEX  ENABLE;
```

```
-----
-- Constraints for Table DEPARTMENTS
-----
```

```
ALTER TABLE "DEPARTMENTS" ADD CONSTRAINT "DEPARTMENTID" PRIMARY KEY
("DEPARTMENTID")
  USING INDEX  ENABLE;
```

```
-----
-- Constraints for Table CAMPAIGN_MEDIA
-----
```

```
ALTER TABLE "CAMPAIGN_MEDIA" ADD CONSTRAINT "PK_CAMPAIGNMEDIA" PRIMARY
KEY ("MEDIAID")
  USING INDEX  ENABLE;
```

```
-----
-- Constraints for Table STRATEGIES
-----
```

```
ALTER TABLE "STRATEGIES" ADD CONSTRAINT "PK_STRATEGY" PRIMARY KEY
("STRATEGYID")
  USING INDEX  ENABLE;
```

```
-----
-- Constraints for Table PROJECTS
-----
```

```
ALTER TABLE "PROJECTS" ADD CONSTRAINT "PK_PROJECT" PRIMARY KEY
("PROJECTID")
  USING INDEX  ENABLE;
```

-- Constraints for Table EMPLOYEES

```
-----  
ALTER TABLE "EMPLOYEES" MODIFY ("EMPLOYEENUMBER" NOT NULL ENABLE);  
ALTER TABLE "EMPLOYEES" MODIFY ("LASTNAME" NOT NULL ENABLE);  
ALTER TABLE "EMPLOYEES" MODIFY ("FIRSTNAME" NOT NULL ENABLE);  
ALTER TABLE "EMPLOYEES" MODIFY ("EXTENSION" NOT NULL ENABLE);  
ALTER TABLE "EMPLOYEES" MODIFY ("EMAIL" NOT NULL ENABLE);  
ALTER TABLE "EMPLOYEES" MODIFY ("OFFICECODE" NOT NULL ENABLE);  
ALTER TABLE "EMPLOYEES" MODIFY ("JOBTITLE" NOT NULL ENABLE);  
ALTER TABLE "EMPLOYEES" ADD PRIMARY KEY ("EMPLOYEENUMBER")  
USING INDEX ENABLE;  
-----
```

-- Constraints for Table CUSTOMERS

```
-----  
ALTER TABLE "CUSTOMERS" MODIFY ("CUSTOMERNUMBER" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" MODIFY ("CUSTOMERNAME" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" MODIFY ("CONTACTLASTNAME" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" MODIFY ("CONTACTFIRSTNAME" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" MODIFY ("PHONE" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" MODIFY ("ADDRESSLINE1" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" MODIFY ("CITY" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" MODIFY ("COUNTRY" NOT NULL ENABLE);  
ALTER TABLE "CUSTOMERS" ADD PRIMARY KEY ("CUSTOMERNUMBER")  
USING INDEX ENABLE;  
-----
```

-- Constraints for Table FEEDBACK

```
-----  
ALTER TABLE "FEEDBACK" ADD CONSTRAINT "PK_FEEDBACK" PRIMARY KEY  
("FEEDBACKID")  
USING INDEX ENABLE;  
-----
```

-- Constraints for Table RESOURCES

```
-----  
ALTER TABLE "RESOURCES" ADD CONSTRAINT "PK_RESOURCE" PRIMARY KEY  
("RESOURCEID")  
USING INDEX ENABLE;  
-----
```

-- Constraints for Table EXPENSES

```
-----  
ALTER TABLE "EXPENSES" ADD CONSTRAINT "PK_EXPENSE" PRIMARY KEY  
("EXPENSEID")  
USING INDEX ENABLE;  
-----
```

-- Ref Constraints for Table BILLING

```
-----  
ALTER TABLE "BILLING" ADD CONSTRAINT "FK_BILLING_CLIENT" FOREIGN KEY  
("CLIENTID")  
REFERENCES "CLIENTS" ("CLIENTID") ENABLE;  
-----
```

```

ALTER TABLE "BILLING" ADD CONSTRAINT "FK_BILLING_PROJECT" FOREIGN KEY
("PROJECTID")
    REFERENCES "PROJECTS" ("PROJECTID") ENABLE;
-----
-- Ref Constraints for Table CAMPAIGNS
-----

ALTER TABLE "CAMPAIGNS" ADD CONSTRAINT "FK_CAMPAIGN_PROJECT" FOREIGN KEY
("PROJECTID")
    REFERENCES "PROJECTS" ("PROJECTID") ENABLE;
-----
-- Ref Constraints for Table CAMPAIGN_MEDIA
-----

ALTER TABLE "CAMPAIGN_MEDIA" ADD CONSTRAINT "FK_CAMPAIGNMEDIA_CAMPAIGN"
FOREIGN KEY ("CAMPAIGNID")
    REFERENCES "CAMPAIGNS" ("CAMPAIGNID") ENABLE;
-----
-- Ref Constraints for Table CONTENTS
-----

ALTER TABLE "CONTENTS" ADD CONSTRAINT "FK_CONTENT_PROJECT" FOREIGN KEY
("PROJECTID")
    REFERENCES "PROJECTS" ("PROJECTID") ENABLE;
-----
-- Ref Constraints for Table CONTRACTS
-----

ALTER TABLE "CONTRACTS" ADD CONSTRAINT "FK_CONTRACT_CLIENT" FOREIGN KEY
("CLIENTID")
    REFERENCES "CLIENTS" ("CLIENTID") ENABLE;
-----
-- Ref Constraints for Table CUSTOMERS
-----

ALTER TABLE "CUSTOMERS" ADD CONSTRAINT "FK_CUSTOMERS_EMPLOYEES" FOREIGN
KEY ("SALESREPEMPOYEEENNUMBER")
    REFERENCES "EMPLOYEES" ("EMPLOYEEENNUMBER") ENABLE;
-----
-- Ref Constraints for Table EMPLOYEE
-----

ALTER TABLE "EMPLOYEE" ADD CONSTRAINT "FK_DEPARTMENTID" FOREIGN KEY
("DEPARTMENTID")
    REFERENCES "DEPARTMENTS" ("DEPARTMENTID") ENABLE;
-----
-- Ref Constraints for Table EMPLOYEES
-----

ALTER TABLE "EMPLOYEES" ADD CONSTRAINT "FK_EMPLOYEE_MANAGER" FOREIGN KEY
("REPORTSTO")
    REFERENCES "EMPLOYEES" ("EMPLOYEEENNUMBER") ON DELETE CASCADE
ENABLE;

```

```

ALTER TABLE "EMPLOYEES" ADD CONSTRAINT "FK_EMPLOYEES_OFFICECODE" FOREIGN
KEY ("OFFICECODE")
    REFERENCES "OFFICES" ("OFFICECODE") ENABLE;
-----
-- Ref Constraints for Table EVENTS
-----

ALTER TABLE "EVENTS" ADD CONSTRAINT "FK_EVENT_PROJECT" FOREIGN KEY
("PROJECTID")
    REFERENCES "PROJECTS" ("PROJECTID") ENABLE;
-----
-- Ref Constraints for Table EXPENSES
-----

ALTER TABLE "EXPENSES" ADD CONSTRAINT "FK_EXPENSE_EMPLOYEE" FOREIGN KEY
("EMPLOYEEID")
    REFERENCES "EMPLOYEE" ("EMPLOYEEID") ENABLE;
-----
-- Ref Constraints for Table FEEDBACK
-----

ALTER TABLE "FEEDBACK" ADD CONSTRAINT "FK_FEEDBACK_CAMPAIGN" FOREIGN KEY
("CAMPAIGNID")
    REFERENCES "CAMPAIGNS" ("CAMPAIGNID") ENABLE;
-----
-- Ref Constraints for Table INVOICE_ITEMS
-----

ALTER TABLE "INVOICE_ITEMS" ADD CONSTRAINT "FK_INVOICEITEM_BILLING"
FOREIGN KEY ("BILLID")
    REFERENCES "BILLING" ("BILLID") ENABLE;
-----
-- Ref Constraints for Table ORDERDETAILS
-----

ALTER TABLE "ORDERDETAILS" ADD CONSTRAINT "FK_ORDERDETAILS_ORDERS"
FOREIGN KEY ("ORDERNUMBER")
    REFERENCES "ORDERS" ("ORDERNUMBER") ENABLE;
ALTER TABLE "ORDERDETAILS" ADD CONSTRAINT "FK_ORDERDETAILS_PRODUCTS"
FOREIGN KEY ("PRODUCTCODE")
    REFERENCES "PRODUCTS" ("PRODUCTCODE") ENABLE;
-----
-- Ref Constraints for Table ORDERS
-----

ALTER TABLE "ORDERS" ADD CONSTRAINT "FK_ORDERS_CUSTOMERS" FOREIGN KEY
("CUSTOMERNUMBER")
    REFERENCES "CUSTOMERS" ("CUSTOMERNUMBER") ENABLE;
-----
-- Ref Constraints for Table PAYMENT
-----

ALTER TABLE "PAYMENT" ADD CONSTRAINT "FK_PAYMENT_BILLING" FOREIGN KEY
("BILLID")

```



```

REFERENCES "BILLING" ("BILLID") ENABLE;
-----
-- Ref Constraints for Table PAYMENTS
-----

ALTER TABLE "PAYMENTS" ADD CONSTRAINT "FK_PAYMENTS_CUSTOMERS" FOREIGN
KEY ("CUSTOMERNUMBER")
REFERENCES "CUSTOMERS" ("CUSTOMERNUMBER") ENABLE;
-----
-- Ref Constraints for Table PERFORMANCE_METRICS
-----

ALTER TABLE "PERFORMANCE_METRICS" ADD CONSTRAINT
"FK_PERFORMANCOMETRICS_CAMPAIGN" FOREIGN KEY ("CAMPAIGNID")
REFERENCES "CAMPAIGNS" ("CAMPAIGNID") ENABLE;
-----
-- Ref Constraints for Table PRODUCTS
-----

ALTER TABLE "PRODUCTS" ADD CONSTRAINT "FK_PRODUCTS_PRODUCTLINE" FOREIGN
KEY ("PRODUCTLINE")
REFERENCES "PRODUCTLINES" ("PRODUCTLINE") ENABLE;
-----
-- Ref Constraints for Table PROJECTEMPLOYEE
-----

ALTER TABLE "PROJECTEMPLOYEE" ADD CONSTRAINT
"FK_PROJECTEMPLOYEE_PROJECT" FOREIGN KEY ("PROJECTID")
REFERENCES "PROJECTS" ("PROJECTID") ENABLE;
ALTER TABLE "PROJECTEMPLOYEE" ADD CONSTRAINT
"FK_PROJECTEMPLOYEE_EMPLOYEE" FOREIGN KEY ("EMPLOYEEID")
REFERENCES "EMPLOYEE" ("EMPLOYEEID") ENABLE;
-----
-- Ref Constraints for Table PROJECTS
-----

ALTER TABLE "PROJECTS" ADD CONSTRAINT "FK_CLIENTID" FOREIGN KEY
("CLIENTID")
REFERENCES "CLIENTS" ("CLIENTID") ENABLE;
-----
-- Ref Constraints for Table PURCHASE_ORDERS
-----

ALTER TABLE "PURCHASE_ORDERS" ADD CONSTRAINT "FK_PURCHASEORDER_SUPPLIER"
FOREIGN KEY ("SUPPLIERID")
REFERENCES "SUPPLIERS" ("SUPPLIERID") ENABLE;
-----
-- Ref Constraints for Table RESOURCES
-----

ALTER TABLE "RESOURCES" ADD CONSTRAINT "FK_RESOURCE_DEPARTMENT" FOREIGN
KEY ("DEPARTMENTID")
REFERENCES "DEPARTMENTS" ("DEPARTMENTID") ENABLE;
-----

```

```
-- Ref Constraints for Table STRATEGIES
```

```
-----  
ALTER TABLE "STRATEGIES" ADD CONSTRAINT "FK_STRATEGY_CAMPAIGN" FOREIGN  
KEY ("CAMPAIGNID")  
REFERENCES "CAMPAIGNS" ("CAMPAIGNID") ENABLE;
```

```
-----  
-- Ref Constraints for Table TARGET_AUDIENCE
```

```
-----  
ALTER TABLE "TARGET_AUDIENCE" ADD CONSTRAINT  
"FK_TARGETAUDIENCE_CAMPAIGN" FOREIGN KEY ("CAMPAIGNID")  
REFERENCES "CAMPAIGNS" ("CAMPAIGNID") ENABLE;
```