**Create table queries**

CREATE TABLE ecomdb.Trans\_dim

(

payment\_key varchar(10) NOT NULL,

trans\_type varchar(10) NOT NULL,

bank\_name varchar(100) NOT NULL,

CONSTRAINT PK\_7 PRIMARY KEY ( payment\_key )

);

CREATE TABLE ecomdb.Store\_dim

(

store\_key varchar(10) NOT NULL,

division varchar(50) NOT NULL,

district varchar(50) NOT NULL,

upazila varchar(50) NOT NULL,

CONSTRAINT PK\_37 PRIMARY KEY ( store\_key )

);

CREATE TABLE ecomdb.customer\_dim

(

customer\_key varchar(10) NOT NULL,

name varchar(50) NULL,

contact\_no numeric(50,0) NOT NULL,

nid numeric(50,0) NOT NULL,

CONSTRAINT PK\_21 PRIMARY KEY ( customer\_key )

);

CREATE TABLE ecomdb.Item\_dim

(

item\_key varchar(10) NOT NULL,

item\_name varchar(100) NOT NULL,

descc varchar(50) NOT NULL,

unit\_price numeric(50,2) NOT NULL,

man\_country varchar(50) NOT NULL,

supplier varchar(100) NOT NULL,

unit varchar(10) NULL,

CONSTRAINT PK\_12 PRIMARY KEY ( item\_key )

);

CREATE TABLE ecomdb.Time\_dim

(

time\_key varchar(10) NOT NULL,

datee timestamp NOT NULL,

hour int NOT NULL,

day int NOT NULL,

week varchar(20) NOT NULL,

month int NOT NULL,

quarter varchar(5) NOT NULL,

year int NOT NULL,

CONSTRAINT PK\_27 PRIMARY KEY ( time\_key )

);

CREATE TABLE ecomdb.Fact\_table

(

store\_key varchar(10) NOT NULL,

time\_key varchar(10) NOT NULL,

customer\_key varchar(10) NOT NULL,

payment\_key varchar(10) NOT NULL,

item\_key varchar(10) NOT NULL,

quantity int NOT NULL,

unit varchar(10) NULL,

unit\_price numeric(50,2) NOT NULL,

total\_price numeric(50,2) NOT NULL,

CONSTRAINT PK\_51 PRIMARY KEY ( store\_key, time\_key, customer\_key, payment\_key, item\_key ),

CONSTRAINT FK\_48 FOREIGN KEY ( store\_key ) REFERENCES ecomdb.Store\_dim ( store\_key ),

CONSTRAINT FK\_52 FOREIGN KEY ( time\_key ) REFERENCES ecomdb.Time\_dim ( time\_key ),

CONSTRAINT FK\_55 FOREIGN KEY ( customer\_key ) REFERENCES ecomdb.customer\_dim ( customer\_key ),

CONSTRAINT FK\_58 FOREIGN KEY ( payment\_key ) REFERENCES ecomdb.Trans\_dim ( payment\_key ),

CONSTRAINT FK\_61 FOREIGN KEY ( item\_key ) REFERENCES ecomdb.Item\_dim ( item\_key )

);

CREATE INDEX FK\_50 ON ecomdb.Fact\_table

(

store\_key

);

CREATE INDEX FK\_54 ON ecomdb.Fact\_table

(

time\_key

);

CREATE INDEX FK\_57 ON ecomdb.Fact\_table

(

customer\_key

);

CREATE INDEX FK\_60 ON ecomdb.Fact\_table

(

payment\_key

);

CREATE INDEX FK\_63 ON ecomdb.Fact\_table

(

item\_key

);