THEME PARK DATABASE

TABLES COMMANDS:

1. Themepark:

CREATE TABLE themepark(park\_code VARCHAR(10) PRIMARY KEY,

park\_name VARCHAR(35) not null,

park\_city VARCHAR(50) not null,

park\_country CHAR(2) not null);

1. employee:

CREATE TABLE employee(emp\_num NUMERIC(4) PRIMARY KEY,

emp\_title VARCHAR(4),

emp\_lname VARCHAR(15) not null,

emp\_fname VARCHAR(15) not null,

emp\_DOB DATE not null,

emp\_hire\_date DATE,

emp\_area\_code VARCHAR(4) not null,

emp\_phone VARCHAR(12) not null,

park\_code VARCHAR(10),

INDEX (park\_code),

CONSTRAINT FK\_EMP\_PARK FOREIGN KEY(park\_code) REFERENCES themepark(park\_code));

1. TICKET:

CREATE TABLE TICKET(ticket\_no NUMERIC(10) primary key,

ticket\_price NUMERIC(4,2) DEFAULT 00.00 not null,

ticket\_type VARCHAR(10),

park\_code VARCHAR(10),

INDEX (park\_code),

CONSTRAINT FK\_TICKET\_PARK FOREIGN KEY(park\_code) REFERENCES themepark(park\_code));

1. ATTRACTION:

CREATE TABLE attraction(attract\_no NUMERIC(10) PRIMARY KEY,

attract\_name VARCHAR(35),

attract\_age NUMERIC(3) DEFAULT 0 not null,

attract\_capacity NUMERIC(3) not null,

park\_code VARCHAR(10),

INDEX (park\_code),

CONSTRAINT FK\_ATTRACT\_PARK FOREIGN KEY(park\_code) REFERENCES themepark(park\_code));

1. HOURS:

CREATE TABLE hours(emp\_num NUMERIC(4),

attract\_no NUMERIC(10),

hours\_per\_attract NUMERIC(2) not null,

hour\_rate NUMERIC(4,2) not null,

date\_worked DATE not null,

INDEX (emp\_num),

INDEX (attract\_no),

CONSTRAINT PK\_HOURS PRIMARY KEY(emp\_num,attract\_no,date\_worked),

CONSTRAINT FK\_HOURS\_EMP FOREIGN KEY(emp\_num) REFERENCES employee(emp\_num));

1. SALES:

CREATE TABLE sales(transaction\_no NUMERIC PRIMARY KEY,

park\_code VARCHAR(10),

sale\_date DATE not null,

INDEX (park\_code),

CONSTRAINT FK\_SALES\_EMP FOREIGN KEY(park\_code) REFERENCES themepark(park\_code));

1. SALES\_LINE:

CREATE TABLE sales\_line(transaction\_no NUMERIC,

line\_no NUMERIC(2,0) not null,

ticket\_no NUMERIC(10) not null,

line\_qty NUMERIC(4) DEFAULT 0 not null,

line\_price NUMERIC(9,2) DEFAULT 0 not null,

INDEX (transaction\_no),

INDEX (ticket\_no),

CONSTRAINT PK\_SALES\_LINE PRIMARY KEY(transaction\_no,line\_no),

CONSTRAINT FK\_SALES\_LINE\_SALES FOREIGN KEY(transaction\_no) REFERENCES sales(transaction\_no) ON DELETE CASCADE,

CONSTRAINT FK\_SALES\_LINE\_TICKET FOREIGN KEY(ticket\_no) REFERENCES ticket(ticket\_no));