

DATABASE MANAGEMENT SYSTEM
LAB CAT-1
SIDDHI SINGH, 17BIT0028

```
guest-IRURFB@sjt120site011: ~
guest-irurfb@sjt120site011:~$ sqlplus
SQL*Plus: Release 12.1.0.2.0 Production on Fri Aug 31 14:04:28 2018
Copyright (c) 1982, 2014, Oracle. All rights reserved.
Enter user-name: EXAM084@SITEORA
Enter password:
Connected to:
Oracle Database 11g Enterprise Edition Release 11.1.0.7.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> show user
USER is "EXAM084"
SQL> create table tour(constraint tour_pk tour_id number(10) primary key, tour_date date, begin_time timestamp, duration varchar(10), cost number(10));
Table created.
SQL> desc tour
Name Null? Type
-----
TOUR_ID NOT NULL NUMBER(10)
TOUR_DATE DATE
BEGIN_TIME TIMESTAMP(6)
DURATION VARCHAR2(10)
COST NUMBER(10)
SQL> alter table tour add constraint chk check(cost<50000);
Table altered.
SQL> desc tour
Name Null? Type
-----
TOUR_ID NOT NULL NUMBER(10)
TOUR_DATE DATE
BEGIN_TIME TIMESTAMP(6)
DURATION VARCHAR2(10)
COST NUMBER(10)
```

```
guest-IRURFB@sjt120site011: ~
CUS_NAME VARCHAR2(30)
ADDRESS NOT NULL VARCHAR2(50)
PHONE NUMBER(10)
TOURID NOT NULL NUMBER(10)
SQL> insert into customer2 values(&cus_id,&cus_name,&address,&phone,&tourid);
Enter value for cus_id: 111
Enter value for cus_name: Siddhi
Enter value for address: VIT
Enter value for phone: 9003318469
Enter value for tourid: 101
old 1: insert into customer2 values(&cus_id,&cus_name,&address,&phone,&tourid)
new 1: insert into customer2 values(111,'Siddhi','VIT',9003318469,101)
1 row created.
SQL> insert into customer2 values(&cus_id,&cus_name,&address,&phone,&tourid);
Enter value for cus_id: 112
Enter value for cus_name: Riya
Enter value for address: CMC
Enter value for phone: 9003318388
Enter value for tourid: 102
old 1: insert into customer2 values(&cus_id,&cus_name,&address,&phone,&tourid)
new 1: insert into customer2 values(112,'Riya','CMC',9003318388,102)
1 row created.
SQL> select * from customer2;
CUS_ID CUS_NAME
-----
ADDRESS PHONE TOURID
-----
111 Siddhi
VIT 9003318469 101
112 Riya
CMC 9003318388 102
SQL>
```



```
guest-IRURFB@sjt120site011: ~
-----
TOUR_ID          NOT NULL NUMBER(10)
TOUR2_DATE       VARCHAR2(10)
BEGIN_TIME       VARCHAR2(30)
DURATION         VARCHAR2(10)
COST             NUMBER(10)

SQL> desc tour
-----
Name            Null?    Type
-----
TOUR_ID          NOT NULL NUMBER(10)
TOUR_DATE        DATE
BEGIN_TIME       TIMESTAMP(6)
DURATION         VARCHAR2(10)
COST             NUMBER(10)

SQL> desc customer
-----
Name            Null?    Type
-----
CUS_ID           NOT NULL VARCHAR2(10)
CUS_NAME         VARCHAR2(30)
ADDRESS          VARCHAR2(50)
PHONE            NUMBER(10)
TOURID           NOT NULL NUMBER(10)

SQL> desc customer2
-----
Name            Null?    Type
-----
CUS_ID           NOT NULL VARCHAR2(10)
CUS_NAME         VARCHAR2(30)
ADDRESS          NOT NULL VARCHAR2(50)
PHONE            NUMBER(10)
TOURID           NOT NULL NUMBER(10)

SQL> desc tour_itinerary2
-----
Name            Null?    Type
-----
TOURID1          NOT NULL NUMBER(10)
LOCATION_ID        NOT NULL VARCHAR2(10)

SQL>
```

Enter user-name: EXAM084@SITEORA

Enter password:

Connected to:

Oracle Database 11g Enterprise Edition Release 11.1.0.7.0 - 64bit
Production

With the Partitioning, OLAP, Data Mining and Real Application
Testing options

SQL> show user

USER is "EXAM084"

SQL> create table tour1(constraint tour1_pk tour_id number(10)
primary key, tour_date date, begin_time timestamp, duration
varchar(10), cost number(10));

Table created.

SQL> desc tour1

Name	Null?	Type
TOUR_ID	NOT NULL	NUMBER(10)
TOUR_DATE		DATE
BEGIN_TIME		TIMESTAMP(6)
DURATION		VARCHAR2(10)
COST		NUMBER(10)

SQL> alter table tour2 add constraint chk2 check(cost<50000);

Table altered.

SQL> desc tour1

Name	Null?	Type
TOUR_ID	NOT NULL	NUMBER(10)
TOUR_DATE		VARCHAR2(10)
BEGIN_TIME		TIMESTAMP(6)
DURATION		VARCHAR2(10)
COST		NUMBER(10)

SQL> create table customer(cus_id varchar(10), cus_name
varchar(30), address varchar(50), phone number(10), tourid
constraint customer_fk references tour, constraint customer_pk
primary key(cus_id,tourid));

Table created.

SQL> desc customer

Name	Null?	Type
CUS_ID	NOT NULL	VARCHAR2(10)
CUS_NAME		VARCHAR2(30)
ADDRESS		VARCHAR2(50)
PHONE		NUMBER(10)
TOURID	NOT NULL	NUMBER(10)

```
SQL> create table tour_itinerary2(tourid1 constraint
tour_itinerary2_fk references tour2, location_id varchar(10),
constraint tour_itinerary2_pk primary key(tourid1,location_id));
```

Table created.

```
SQL> desc tour_itinerary
```

Name	Null?	Type
TOURID1	NOT NULL	NUMBER(10)
LOCATION_ID	NOT NULL	VARCHAR2(10)

```
create table customer2(cus_id varchar(10), cus_name varchar(30),
address varchar(50) not null, phone number(10), tourid constraint
customer2_fk references tour2, constraint customer2_pk primary
key(cus_id,tourid))
```

```
create table tour2(constraint tour2_pk tour_id number(10) primary
key, tour2_date varchar(10), begin_time varchar(30), duration
varchar(10), cost number(10))
```

```
insert into tour
values(&tour_id,'&tour_date','&begin_time','&duration', &cost)
```

```
SQL> insert into tour2
values(&tour_id,'&tour_date','&begin_time','&duration', &cost);
Enter value for tour_id: 101
Enter value for tour_date: 12-12-17
Enter value for begin_time: 16hrs55min
Enter value for duration: 30days
Enter value for cost: 45000
old 1: insert into tour2
values(&tour_id,'&tour_date','&begin_time','&duration', &cost)
new 1: insert into tour2 values(101,'12-12-
17','16hrs55min','30days', 45000)
```

1 row created.

```
SQL> insert into tour2
```

```

values(&tour_id,&tour_date','&begin_time','&duration', &cost);
Enter value for tour_id: 102
Enter value for tour_date: 12-12-18
Enter value for begin_time: 10hrs5min
Enter value for duration: 15days
Enter value for cost: 30000
old 1: insert into tour2
values(&tour_id,&tour_date','&begin_time','&duration', &cost)
new 1: insert into tour2 values(102,'12-12-
18','10hrs5min','15days', 30000)

```

1 row created.

```
SQL> select * from tour2;
```

TOUR_ID	TOUR2_DATE	BEGIN_TIME	DURATION	COST
101	12-12-17	16hrs55min	30days	45000
102	12-12-18	10hrs5min	15days	30000

```

SQL> create table customer2(cus_id varchar(10), cus_name
varchar(30), address varchar(50) not null, phone number(10),
tourid constraint customer2_fk references tour2, constraint
customer2_pk primary key(cus_id,tourid))
2 ;

```

Table created.

```
SQL> desc customer2
```

Name	Null?	Type
CUS_ID	NOT NULL	VARCHAR2(10)
CUS_NAME		VARCHAR2(30)
ADDRESS	NOT NULL	VARCHAR2(50)
PHONE		NUMBER(10)
TOURID	NOT NULL	NUMBER(10)

```

SQL> insert into customer2
values(&cus_id,&cus_name','&address',&phone,&tourid);
Enter value for cus_id: 111
Enter value for cus_name: Siddhi
Enter value for address: VIT
Enter value for phone: 9003318469
Enter value for tourid: 101
old 1: insert into customer2
values(&cus_id,&cus_name','&address',&phone,&tourid)
new 1: insert into customer2
values(111,'Siddhi','VIT',9003318469,101)

```

1 row created.

```
SQL> insert into customer2
values(&cus_id, '&cus_name', '&address', &phone, &tourid);
Enter value for cus_id: 112
Enter value for cus_name: Riya
Enter value for address: CMC
Enter value for phone: 9003318388
Enter value for tourid: 102
old 1: insert into customer2
values(&cus_id, '&cus_name', '&address', &phone, &tourid)
new 1: insert into customer2
values(112, 'Riya', 'CMC', 9003318388, 102)
```

1 row created.

```
SQL> select * from customer2;
```

CUS_ID	CUS_NAME	ADDRESS	PHONE	TOURID
111	Siddhi	VIT	9003318469	101
112	Riya	CMC	9003318388	102

```
SQL> create table tour_itinerary2(tourid1 constraint
tour_itinerary2_fk references tour2, location_id varchar(10),
constraint tour_itinerary2_pk primary key(tourid1,location_id));
```

Table created.

```
SQL> desc tour_itinerary2
Name Null? Type
-----
TOURID1 NOT NULL NUMBER(10)
LOCATION_ID NOT NULL VARCHAR2(10)
```

```
SQL> insert into tour_itinerary2 values(&tourid1, '&location_id');
Enter value for tourid1: 101
Enter value for location_id: del01
old 1: insert into tour_itinerary2
values(&tourid1, '&location_id')
new 1: insert into tour_itinerary2 values(101, 'del01')
```

1 row created.

```
SQL> insert into tour_itinerary2 values(&tourid1,&location_id');
```

Enter value for tourid1: 102

Enter value for location_id: mub02

old 1: insert into tour_itinerary2

values(&tourid1,&location_id')

new 1: insert into tour_itinerary2 values(102,'mub02')

1 row created.

```
SQL> select * from tour_itinerary2;
```

TOURID1	LOCATION_I
101	del01
102	mub02

```
SQL> select cus_name,tour2_date from customer2,tour2 where  
tour2_date like '%17';
```

CUS_NAME	TOUR2_DATE
Siddhi	12-12-17
Riya	12-12-17

```
SQL> select tour_id, tour2_date from tour2 order by cost desc;
```

TOUR_ID	TOUR2_DATE
101	12-12-17
102	12-12-18

```
SQL> delete customer2;
```

2 rows deleted.

```
SQL> rollback;
```

Rollback complete.

```
SQL> select * from customer2;
```

CUS_ID	CUS_NAME	ADDRESS	PHONE	TOURID
111	Siddhi	VIT	9003318469	101

112 Riya
CMC

9003318388

102

```
SQL> select location_id, tour_id, tour2_date from  
tour_itinerary2,tour2;
```

LOCATION_I	TOUR_ID	TOUR2_DATE
del01	101	12-12-17
mub02	101	12-12-17
del01	102	12-12-18
mub02	102	12-12-18

```
SQL> desc tour2
```

Name	Null?	Type
TOUR_ID	NOT NULL	NUMBER(10)
TOUR2_DATE		VARCHAR2(10)
BEGIN_TIME		VARCHAR2(30)
DURATION		VARCHAR2(10)
COST		NUMBER(10)

```
SQL> desc tour
```

Name	Null?	Type
TOUR_ID	NOT NULL	NUMBER(10)
TOUR_DATE		DATE
BEGIN_TIME		TIMESTAMP(6)
DURATION		VARCHAR2(10)
COST		NUMBER(10)

```
SQL> desc customer
```

Name	Null?	Type
CUS_ID	NOT NULL	VARCHAR2(10)
CUS_NAME		VARCHAR2(30)
ADDRESS		VARCHAR2(50)
PHONE		NUMBER(10)
TOURID	NOT NULL	NUMBER(10)

```
SQL> desc customer2
```

Name	Null?	Type
CUS_ID	NOT NULL	VARCHAR2(10)

CUS_NAME	VARCHAR2(30)
ADDRESS	NOT NULL VARCHAR2(50)
PHONE	NUMBER(10)
TOURID	NOT NULL NUMBER(10)

SQL> desc tour_itinerary2

Name	Null?	Type

TOURID1	NOT NULL	NUMBER(10)
LOCATION_ID	NOT NULL	VARCHAR2(10)

SQL>