

ER TO RELATIONAL SCHEMA for TOURISM MANAGEMENT SYSTEM

GROUP NO. 5

YASH SARANG

SHREYA SINGH

PARTH SURYAVANSHI

SURABHI TAMBE

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- Table creation using DDL commands:

1. Creating tablespace, creating a user, granting privileges to the user.

```
SQL*Plus: Release 11.2.0.1.0 Production on Tue Mar 15 23:10:48 2022

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Enter user-name: system
Enter password:

Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> conn system
Enter password:
Connected.
SQL> Create TABLESPACE tbs_Tourism
  2  DATAFILE 'C:\DBMS\database\ermodel.dbf' SIZE 256m
  3  AUTOEXTEND ON
  4  MAXSIZE 2046m
  5  EXTENT MANAGEMENT LOCAL
  6  ONLINE;

Tablespace created.

SQL> CREATE USER NOOB IDENTIFIED BY PRO;

User created.

SQL> GRANT DBA TO NOOB;

Grant succeeded.
```

-
2. Creating destination table:

```
SQL> CREATE TABLE destination(did int PRIMARY KEY, places varchar(255));

Table created.

SQL> desc destination
Name                                Null?    Type
-----
DID                                NOT NULL NUMBER(38)
PLACES                             VCHAR2(255)
```

3. Creating customer table:

```
SQL> CREATE TABLE customer(cid int PRIMARY KEY,fname varchar(255),lname varchar(255),email varchar(255),address varchar(255),dofjourney date);
Table created.
```

```
SQL> ALTER TABLE customer
  2  ADD FOREIGN KEY (did) REFERENCES destination(did);
```

Table altered.

```
SQL> desc customer
```

Name	Null?	Type
CID	NOT NULL	NUMBER(38)
FNAME		VARCHAR2(255)
LNAME		VARCHAR2(255)
EMAIL		VARCHAR2(255)
ADDRESS		VARCHAR2(255)
DOFJOURNEY		DATE
DID		NUMBER(38)

4. Creating package table:

```
SQL> CREATE TABLE package(pid int PRIMARY KEY, cost int, noofdays int,packagetype varchar(255), contact int,discount int);
Table created.
```

```
SQL> ALTER TABLE package
  2  ADD did int;
```

Table altered.

```
SQL> ALTER TABLE package
  2  ADD FOREIGN KEY (did) REFERENCES destination(did);
```

```
SQL> Alter table package
  2  drop column packagetype;
```

Table altered.

```
SQL> Alter table package
  2  drop column discount;
```

```
SQL> desc package
```

Name	Null?	Type
PID	NOT NULL	NUMBER(38)
COST		NUMBER(38)
NOOFDAYS		NUMBER(38)
CONTACT		NUMBER(38)
DID		NUMBER(38)

5. Creating tours table:

```
SQL> CREATE TABLE tours(tid int PRIMARY KEY, seats int, types varchar(255), pid int);  
Table created.
```

```
SQL> ALTER TABLE tours  
2 ADD FOREIGN KEY (pid) REFERENCES package(pid);
```

```
SQL> ALTER TABLE tours  
2 drop column types;
```

```
SQL> desc tours
```

Name	Null?	Type
TID	NOT NULL	NUMBER(38)
SEATS		NUMBER(38)
PID		NUMBER(38)

6. Creating phoneno table:

```
SQL> CREATE TABLE phoneno(phoneno int, places varchar(255), cid int);  
Table created.
```

```
SQL> ALTER TABLE phoneno  
2 ADD FOREIGN KEY (cid) REFERENCES customer(cid);  
Table altered.
```

```
SQL> desc phoneno
```

Name	Null?	Type
PHONENO		NUMBER(38)
PLACES		VARCHAR2(255)
CID		NUMBER(38)

● Inserting values using DML commands:

1. Customer table:

```
SQL> select * from customer;
```

CID	FNAME	LNAME	EMAIL	ADDRESS	DOFJOURNEY	DID
239	Phil	Dunphy	phildunphy09@yahoo.com	Manhattan	03-DEC-19	3472
240	Michael	Scott	michaels12@yahoo.com	Scranton	15-JAN-20	987
241	Cameron	Oldren	camoldren55@yahoo.com	New York	23-JAN-20	6512
242	Ted	Mosby	tedmosby11@yahoo.com	Michigan	12-MAY-19	4389

2. Destination table:

```
SQL> Insert into destination values (6512, 'Tokyo');
```

```
1 row created.
```

```
SQL> select * from destination;
```

DID	PLACES
987	Hawai
3472	Los Angeles
4389	Australia
6512	Tokyo

3. Package table:

```
SQL> select* from package;
```

PID	COST	NOOFDAYS	CONTACT	DID
674	366000	7	5058969055	987
254	859000	12	5827777807	3472
711	250000	6	5056725262	4389
520	678000	4	5824002778	6512

4. Tours table:

```
SQL> select * from tours;
```

TID	SEATS	PID
1010	3	254
1765	4	674
1221	2	711
1051	3	520

5. Phoneno table:

```
SQL> select * from phoneno;
```

PHONENO	PLACES	CID
2054678508	Tokyo	241
3177510487	Hawai	240
4255546887	Australia	242
3054341609	Los Angeles	239
