



American International University-Bangladesh

Project Name: Airlines Management System

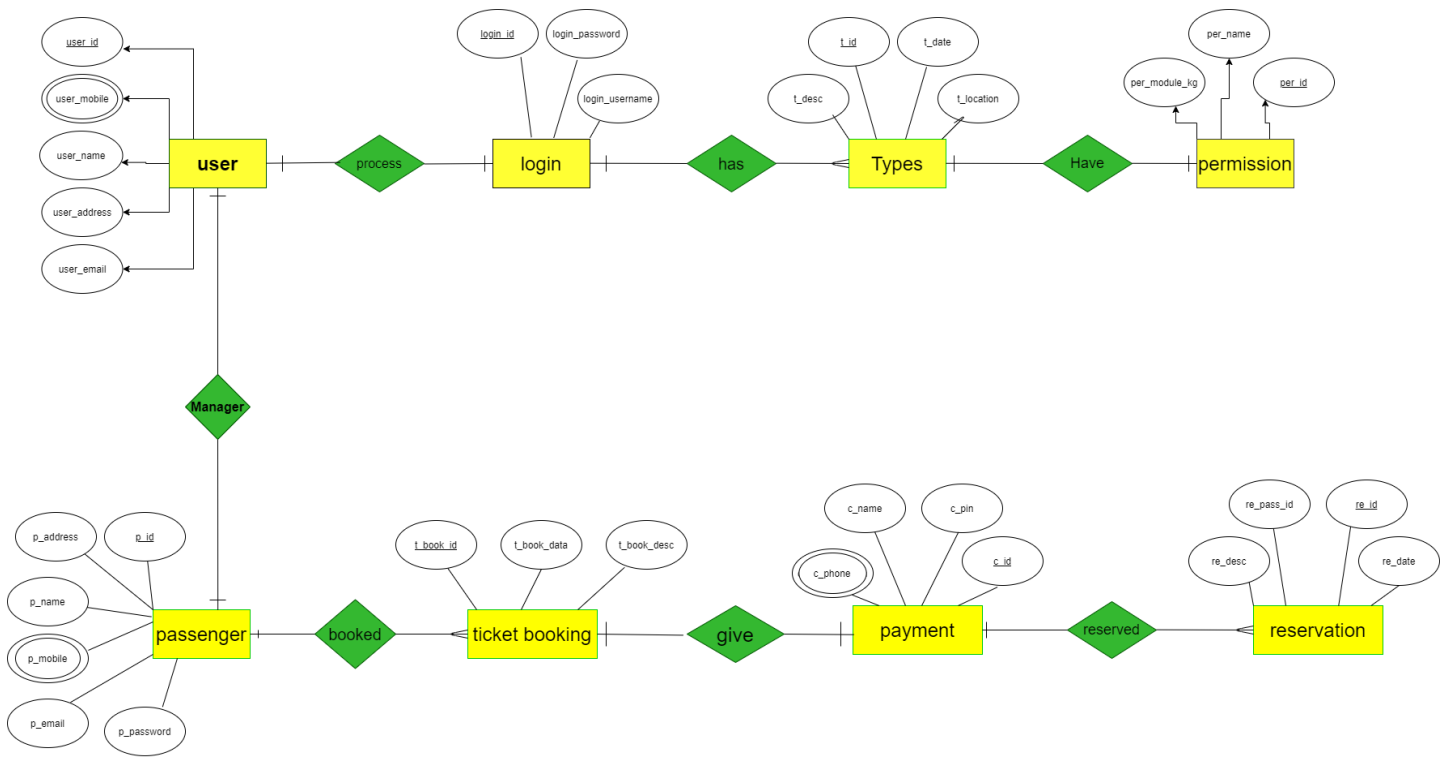
Member Name

Muhammad Bin Harun	19-41580-3
Md Mehedi Hasan Tanveer	20-42004-1
Rakib Hasan Jeem	20-42005-1
Md Tanzidul Haque	20-42009-1
Istiaq Shaharia	20-42012-1

Description:

In the airline's management system, a user may book tickets. For which we need a user table. The table consists of the user's personal details. The information stored in this table includes user ID, user name, user mobile, user email and user address. Here the user ID is unique. For identifying a user the Login table is needed. The record of this table is created when a user need access to their accounts. This table stores information such as login ID, login role ID, login username, user password. Here Login ID is unique. The types section is for the passengers, if they would return or not, the customers give their details. Information stored in this table includes permission Id, permission module, permission name. Permission ID will be unique for the table. The passenger table contains the details about passengers. The information stored in this table includes passenger ID, password, name, address, mobile and email. Passenger ID will be unique for the table. The next table holds information about ticket booking such as, ticket booking description, ticket booking data, ticket booking ID. Ticket booking ID will be unique for the table. In the payment system they have to give their payment by online so they have to give their Card ID, Username, Phone number and the Card pin. In the reservation procedure the applications support direct contact with the passenger. It contains the schedules, availability, fares and related services, and through which airline inventory is maintained, reservations can be made or tickets issued. The information which is stored in this table includes reservation passenger Id, reservation ID, reservation description, reservation date. Reservation ID will be unique for the table.

ER DIAGRAM



Normalization

Green->Primary key,

Red-> Foreign key

Booked(p_id,p_adress,p_name,p_mobile,p_email,p_password,t_book_id,t_book_data,t_book_desc)

1NF : p_mobile is a multivalued attribute

2NF :

p_id,p_adress,p_name,p_mobile,p_email,p_password

t_book_id,t_book_data,t_book_desc

3NF:

p_id,p_adress,p_name,p_mobile,p_email,p_password

t_book_id,t_book_data,t_book_desc

No Transitive dependency.

Table from booked:

p_id, p_adress, p_name, p_email, p_password,
t_book_id, t_book_data, t_book_desc, p_id
p_id , p_mobile

Give(t_book_id, t_book_data, t_book_desc , c_id , c_phone, c_name, c_pin)

1NF : c_phone multivalued attribute.

2NF :

t_book_id, t_book_data, t_book_desc
c_id , c_phone, c_name, c_pin

3NF :

t_book_id, t_book_data, t_book_desc
c_id , c_phone, c_name, c_pin

No transitive dependency

Table from give:

t_book_id, t_book_data, t_book_desc
c_id , c_name, c_pin, t_book_id
c_id , c_phone

Reserved (c_id, c_name, c_phone, c_pin, re_id, re_pass_id, re_date, re_desc)

1NF : c_phone multivalued attribute

2NF :

c_id, c_name, c_phone, c_pin
re_id, re_pass_id, re_date, re_desc

3NF :

c_id, c_name, c_phone, c_pin

re_id, re_pass_id, re_date, re_desc

No transitive dependency.

Table from reserved:

c_id, c_name, c_pin

re_id, re_pass_id, re_date, re_desc, c_id

c_id, c_phone

Process(user_id, user_mobile, user_name, user_address, user_email, login_id, login_password, login_username)

1NF : user_mobile multivalued attribute.

2NF :

user_id, user_mobile, user_name, user_address, user_email

login_id, login_password, login_username

3NF:

user_id, user_mobile, user_name, user_address, user_email

login_id, login_password, login_username

No transitive dependency

Table from process:

user_id, user_name, user_address, user_email

login_id, login_password, login_username, user_id

user_id, user_mobile

Has(t_id, t_date, t_desc, t_location, login_id, login_password, login_username)

1NF : No multivalued attribute

2NF :

t_id, t_date, t_desc, t_location

login_id, login_password, login_username

3 NF :

t_id, t_date, t_desc, t_location

login_id, login_password, login_username

No transitive dependency

Table from has:

t_id, t_date, t_desc, t_location, login_id

login_id, login_password, login_username

Have(t_id, t_date, t_desc, t_location, per_id, per_name, per_module)

1NF: No multivalued attribute

2NF :

t_id, t_date, t_desc, t_location

per_id, per_name, per_module

3NF :

t_id, t_date, t_desc, t_location

per_id, per_name, per_module

No transitive dependency

Table from have:

t_id, t_date, t_desc, t_location

per_id, per_name, per_module, t_id

Manager(user_id, user_mobile, user_name, user_address, user_email ,p_id,
p_address, p_name, p_mobile, p_email, p_password)

1NF : user_mobile , p_mobile

2NF :

user_id, user_mobile, user_name, user_address, user_email

p_id, p_address, p_name, p_mobile, p_email, p_password

3NF :

user_id, user_mobile, user_name, user_address, user_email

p_id, p_address, p_name, p_mobile, p_email, p_password

Table from Manager:

user_id, user_name, user_address, user_email

p_id, p_address, p_name, p_email, p_password ,user_id

user_id, user_mobile

p_id, p_mobile

Total Table :

~~p_id, p_address, p_name, p_email, p_password,~~

t_book_id, t_book_data, t_book_desc, p_id

p_id , p_mobile

~~t_book_id, t_book_data, t_book_desc~~

c_id , c_name, c_pin, t_book_id

c_id , c_phone

~~c_id, c_name, c_pin~~

re_id, re_pass_id, re_date, re_desc, c_id

~~c_id, c_phone~~

user_id, user_name, user_address, user_email

login_id, login_password, login_username, user_id

user_id, user_mobile

t_id, t_date, t_desc, t_location, login_id

~~login_id, login_password, login_username~~

~~t_id, t_date, t_desc, t_location~~

per_id, per_name, per_module, t_id

~~user_id, user_name, user_address, user_email~~

p_id, p_address, p_name, p_email, p_password, user_id

~~user_id, user_mobile~~

~~p_id, p_mobile~~

Final Table

t_book_id, t_book_data, t_book_desc, p_id

p_id, p_mobile

c_id, c_name, c_pin, t_book_id

c_id , c_phone

re_id, re_pass_id, re_date, re_desc, c_id

user_id,user_name,user_address,user_email

login_id, login_password, login_username, user_id

user_id, user_mobile

t_id, t_date, t_desc, t_location, login_id

per_id, per_name, per_module, t_id

p_id, p_address, p_name, p_email, p_password ,user_id

Table Creation with Constraints

USERS TABLE

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following code:

```
create table users(  
  user_id number(20) primary key,  
  user_name varchar2(20),  
  user_address varchar2(20),  
  user_email varchar2(30))  
  
desc users;
```

The Results tab shows the table structure for the USERS table:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USERS	USER_ID	Number	-	20	0	1	-	-	-
	USER_NAME	Varchar2	20	-	-	-	✓	-	-
	USER_ADDRESS	Varchar2	20	-	-	-	✓	-	-
	USER_EMAIL	Varchar2	30	-	-	-	✓	-	-

At the bottom of the Results tab, it indicates "1 - 4".

USER_INFO TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is logged in as 'PROJECT'. The 'SQL Commands' tab is active, showing the following SQL commands:

```
create table user_info(  
  user_id number(20),  
  user_mobile number(18),  
  primary key(user_id, user_mobile))  
  
desc user_info
```

The 'Autocommit' checkbox is checked, and the 'Display' dropdown is set to '10'. The 'Save' and 'Run' buttons are visible. Below the SQL editor, the 'Results' tab is selected, displaying the table structure for 'USER_INFO'.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
USER_INFO	USER_ID	Number	-	20	0	1	-	-	-
	USER_MOBILE	Number	-	18	0	2	-	-	-

The bottom of the interface shows the system status: 'Application Express 2.1.0.0.39', 'Copyright © 1999, 2006, Oracle. All rights reserved.', and 'Language: en-us'.

TYPES TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is logged in as 'PROJECT'. The 'SQL Commands' tab is active, showing the following SQL commands:

```
create table types(  
  t_id number(10) primary key,  
  t_date date not null,  
  t_desc varchar2(20),  
  t_location varchar2(20),  
  login_id number(10) constraint types_FK references login (login_id))  
  
desc types
```

The 'Autocommit' checkbox is checked, and the 'Display' dropdown is set to '10'. The 'Save' and 'Run' buttons are visible. Below the SQL editor, the 'Results' tab is selected, displaying the table structure for 'TYPES'.

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TYPES	T_ID	Number	-	10	0	1	-	-	-
	T_DATE	Date	7	-	-	-	-	-	-
	T_DESC	Varchar2	20	-	-	-	✓	-	-
	T_LOCATION	Varchar2	20	-	-	-	✓	-	-
	LOGIN_ID	Number	-	10	0	-	✓	-	-

The bottom of the interface shows the system status: 'Application Express 2.1.0.0.39', 'Copyright © 1999, 2006, Oracle. All rights reserved.', and 'Language: en-us'.

LOGIN TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is logged in as 'PROJECT'. The 'SQL Commands' tab is active, displaying the following SQL code:

```
create table login(  
  login_id number(10) primary key,  
  login_password varchar2(10),  
  login_username varchar2(15),  
  user_id number(20) constraint login_fk references users (user_id))  
desc login
```

The 'Run' button is clicked, and the results are displayed in a table format. The table is named 'LOGIN' and has the following structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
LOGIN	LOGIN_ID	Number	-	10	0	1	-	-	-
	LOGIN_PASSWORD	Varchar2	10	-	-	-	✓	-	-
	LOGIN_USERNAME	Varchar2	15	-	-	-	✓	-	-
	USER_ID	Number	-	20	0	-	✓	-	-

The interface also shows the 'Results' tab with the table structure and the 'Describe' tab with the table details. The bottom status bar indicates the application version (2.1.0.0.39) and copyright information (1999, 2006, Oracle).

PASSENGER TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is logged in as 'PROJECT'. The 'SQL Commands' tab is active, displaying the following SQL code:

```
create table passenger(  
  p_id number(10) primary key,  
  p_address varchar2(20),  
  p_name varchar2(20),  
  p_email varchar2(30),  
  p_password varchar2(15),  
  user_id number(20) constraint passenger_fk references users (user_id))  
desc passenger
```

The 'Run' button is clicked, and the results are displayed in a table format. The table is named 'PASSENGER' and has the following structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PASSENGER	P_ID	Number	-	10	0	1	-	-	-
	P_ADDRESS	Varchar2	20	-	-	-	✓	-	-
	P_NAME	Varchar2	20	-	-	-	✓	-	-
	P_EMAIL	Varchar2	30	-	-	-	✓	-	-
	P_PASSWORD	Varchar2	15	-	-	-	✓	-	-
	USER_ID	Number	-	20	0	-	✓	-	-

The interface also shows the 'Results' tab with the table structure and the 'Describe' tab with the table details. The bottom status bar indicates the application version (2.1.0.0.39) and copyright information (1999, 2006, Oracle).

PASSENGER INFO TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is 'PROJECT'. The SQL Commands window contains the following SQL:

```
create table passenger_info(  
  p_id number(10),  
  p_mobile number(20),  
  primary key(p_id, p_mobile))  
  
desc passenger_info
```

The Results tab shows the table structure for PASSENGER_INFO:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PASSENGER_INFO	P_ID	Number	-	10	0	1	-	-	-
	P_MOBILE	Number	-	20	0	2	-	-	-
1 - 2									

Language: en-us

PERMISSION TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is 'PROJECT'. The SQL Commands window contains the following SQL:

```
create table permission(  
  per_id number(10) primary key,  
  per_name varchar2(20),  
  per_module number(10),  
  t_id number(10) constraint permission_FK references types(t_id))  
  
desc permission
```

The Results tab shows the table structure for PERMISSION:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PERMISSION	PER_ID	Number	-	10	0	1	-	-	-
	PER_NAME	Varchar2	20	-	-	-	✓	-	-
	PER_MODULE	Number	-	10	0	-	✓	-	-
	T_ID	Number	-	10	0	-	✓	-	-
1 - 4									

Language: en-us

TICKET BOOKING TABLE

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following SQL script:

```
create table ticket_booking(  
  t_book_id number(10) primary key,  
  t_book_data varchar2(20),  
  t_book_desc varchar2(30),  
  p_id number(10) constraint ticket_booking_FK references passenger(p_id))  
  
desc ticket_booking
```

The Results tab displays the table structure for **TICKET_BOOKING**:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TICKET_BOOKING	T_BOOK_ID	Number	-	10	0	1	-	-	-
	T_BOOK_DATA	Varchar2	20	-	-	-	✓	-	-
	T_BOOK_DESC	Varchar2	30	-	-	-	✓	-	-
	P_ID	Number	-	10	0	-	✓	-	-
1 - 4									

At the bottom, the status bar indicates "Application Express 2.1.0 00.39" and "Copyright © 1999, 2006, Oracle. All rights reserved."

PAYMENT TABLE

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following SQL script:

```
create table payment(  
  c_id number(20) primary key,  
  c_name varchar2(20),  
  c_pin number(6),  
  t_book_id number(10) constraint payment_FK references ticket_booking(t_book_id))  
  
desc payment
```

The Results tab displays the table structure for **PAYMENT**:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PAYMENT	C_ID	Number	-	20	0	1	-	-	-
	C_NAME	Varchar2	20	-	-	-	✓	-	-
	C_PIN	Number	-	6	0	-	✓	-	-
	T_BOOK_ID	Number	-	10	0	-	✓	-	-
1 - 4									

At the bottom, the status bar indicates "Application Express 2.1.0 00.39" and "Copyright © 1999, 2006, Oracle. All rights reserved."

PAYMENT INFO TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is 'PROJECT'. The 'SQL Commands' tab is active, displaying the following SQL code:

```
create table payment_info(  
  c_id number(20),  
  c_phone number(15),  
  primary key(c_id, c_phone))  
desc payment_info
```

The 'Run' button is clicked, and the results are displayed in a table format:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PAYMENT_INFO	C_ID	Number	-	20	0	1	-	-	-
	C_PHONE	Number	-	15	0	2	-	-	-

The interface also shows the 'Results' tab selected, and the 'Object Type' is 'TABLE Object PAYMENT_INFO'. The bottom status bar indicates 'Application Express 2.1.0.00.39' and 'Copyright © 1999, 2006, Oracle. All rights reserved.'

RESERVATION TABLE

The screenshot shows the Oracle Database Express Edition web interface. The user is 'PROJECT'. The 'SQL Commands' tab is active, displaying the following SQL code:

```
create table reservation(  
  re_id number(20) primary key,  
  re_pass_id number(15),  
  re_date date not null,  
  re_desc varchar2(50),  
  c_id number(20) constraint reservation_FK references payment(c_id))  
desc reservation
```

The 'Run' button is clicked, and the results are displayed in a table format:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RESERVATION	RE_ID	Number	-	20	0	1	-	-	-
	RE_PASS_ID	Number	-	15	0	-	✓	-	-
	RE_DATE	Date	7	-	-	-	-	-	-
	RE_DESC	Varchar2	50	-	-	-	✓	-	-
	C_ID	Number	-	20	0	-	✓	-	-

The interface also shows the 'Results' tab selected, and the 'Object Type' is 'TABLE Object RESERVATION'. The bottom status bar indicates 'Application Express 2.1.0.00.39' and 'Copyright © 1999, 2006, Oracle. All rights reserved.'

Data insertion

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following commands:

```
desc users
insert into users(user_id,user_name,user_address,user_email) values (1,'ALEX','London street','alex@gmail.com');
insert into users(user_id,user_name,user_address,user_email) values (2,'pori','Savar dhaka','pori@gmail.com');
insert into users(user_id,user_name,user_address,user_email) values (3,'smith','jigatola dhaka','smith@gmail.com');
insert into users(user_id,user_name,user_address,user_email) values (4,'tanvir','dhanmondi 27','tanvir@gmail.com');

insert into users(user_id,user_name,user_address,user_email) values (5,'istiak','mirpur dhos','istiak@gmail.com');
insert into users(user_id,user_name,user_address,user_email) values (6,'rahim','mirpur 2','rahim@gmail.com');
insert into users(user_id,user_name,user_address,user_email) values (7,'karim','uttara dhaka','karim@gmail.com');
insert into users(user_id,user_name,user_address,user_email) values (8,'sumon','Gabtoli','sumon@gmail.com');
```

The query `select* from users` is executed, resulting in 8 rows returned in 0.02 seconds. The results are displayed in a table:

USER_ID	USER_NAME	USER_ADDRESS	USER_EMAIL
1	ALEX	Robert Adam Street	alex@gmail.com
2	pori	Savar dhaka	pori@gmail.com
3	smith	jigatola dhaka	smith@gmail.com
4	tanvir	dhanmondi 27	tanvir@gmail.com
5	istiak	mirpur dhos	istiak@gmail.com
6	rahim	mirpur 2	rahim@gmail.com
7	karim	uttara dhaka	karim@gmail.com
8	sumon	Gabtoli	sumon@gmail.com

The screenshot shows the Oracle Database Express Edition interface. The SQL Commands window contains the following commands:

```
insert into user_info (user_id, user_mobile) values (1, 918160651749);
insert into user_info (user_id, user_mobile) values (2, 918455065171);
insert into user_info (user_id, user_mobile) values (3, 918455065178);
insert into user_info (user_id, user_mobile) values (4, 918458445479);
insert into user_info (user_id, user_mobile) values (5, 918455065149);
insert into user_info (user_id, user_mobile) values (6, 918455065170);
insert into user_info (user_id, user_mobile) values (7, 918455065689);
insert into user_info (user_id, user_mobile) values (8, 918455048689);
```

The query `select* from user_info` is executed, resulting in 8 rows returned in 0.02 seconds. The results are displayed in a table:

USER_ID	USER_MOBILE
1	918160651749
2	918455065171
3	918455065178
4	918458445479
5	918455065149
6	918455065170
7	918455065689
8	918455048689

SQL Commands

127.0.0.1:8080/apex/?p=4500:1003:2858799483150130:~NQ=

Oracle Database Express Edition

User PROJECT

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
insert into login (user_id,login_username,login_id,login_password) values (1,'Alex',121,548795);
insert into login (user_id,login_username,login_id,login_password) values (2,'pori',122,542595);
insert into login (user_id,login_username,login_id,login_password) values (3,'smith',123,543696);
insert into login (user_id,login_username,login_id,login_password) values (4,'tanvir',124,548698);

insert into login (user_id,login_username,login_id,login_password) values (5,'istiak',125,545698);
insert into login (user_id,login_username,login_id,login_password) values (6,'rahim',126,5148614);
insert into login (user_id,login_username,login_id,login_password) values (7,'karim',127,54654);
insert into login (user_id,login_username,login_id,login_password) values (8,'sumon',128,5454698);

select* from login
```

Results Explain Describe Saved SQL History

LOGIN_ID	LOGIN_PASSWORD	LOGIN_USERNAME	USER_ID
121	548695	Alex	1
122	542595	pori	2
123	543696	smith	3
124	548690	tanvir	4
125	545698	istiak	5
126	5148614	rahim	6
127	54654	karim	7
128	5454698	sumon	8

8 rows returned in 0.01 seconds CSV Export

Application Express 2.1.0.00.39

SQL Commands

127.0.0.1:8080/apex/?p=4500:1003:2858799483150130:~NQ=

Oracle Database Express Edition

User PROJECT

Home > SQL > SQL Commands

Autocommit Display 10 Save Run

```
insert into Types (t_id,login_id,t_date,t_location,t_desc) values (101,121,(to_date('23/04/21','dd/mm/yyyy')),'Bangladesh','One_Way');
insert into Types (t_id,login_id,t_date,t_location,t_desc) values (102,122,(to_date('29/05/21','dd/mm/yyyy')),'India','Two_Way');

insert into Types (t_id,login_id,t_date,t_location,t_desc) values (103,123,(to_date('12/06/21','dd/mm/yyyy')),'Japan','Two_Way');
insert into Types (t_id,login_id,t_date,t_location,t_desc) values (104,124,(to_date('20/07/21','dd/mm/yyyy')),'Paksitan','One_Way');

insert into Types (t_id,login_id,t_date,t_location,t_desc) values (105,125,(to_date('01/08/21','dd/mm/yyyy')),'USA','Two_Way');
insert into Types (t_id,login_id,t_date,t_location,t_desc) values (106,126,(to_date('09/10/21','dd/mm/yyyy')),'Germany','One_Way');

insert into Types (t_id,login_id,t_date,t_location,t_desc) values (107,127,(to_date('08/11/21','dd/mm/yyyy')),'India','Two_Way');
insert into Types (t_id,login_id,t_date,t_location,t_desc) values (108,128,(to_date('19/12/21','dd/mm/yyyy')),'Bangladesh','One_Way');

select* from types
```

Results Explain Describe Saved SQL History

T_ID	T_DATE	T_DESC	T_LOCATION	LOGIN_ID
101	23-APR-21	One_Way	Bangladesh	121
102	23-APR-21	Two_Way	India	122
103	12-JUN-21	Two_Way	Japan	123
104	20-JUL-21	One_Way	Paksitan	124
105	01-AUG-21	Two_Way	USA	125
106	09-OCT-21	One_Way	Germany	126
107	08-NOV-21	Two_Way	India	127
108	19-DEC-21	One_Way	Bangladesh	128

8 rows returned in 0.00 seconds CSV Export

Application Express 2.1.0.00.39

SQL Commands

Oracle Database Express Edition

User: PROJECT

Home > SQL > SQL Commands

Autocommit: ☒ Display: 10

Save Run

```
insert into permission (per_id,t_id,per_name,per_module) values (20,101,'Alex',4);
insert into permission (per_id,t_id,per_name,per_module) values (21,102,'pori',8);
insert into permission (per_id,t_id,per_name,per_module) values (22,103,'smith',10);

insert into permission (per_id,t_id,per_name,per_module) values (23,104,'tanvir',9);
insert into permission (per_id,t_id,per_name,per_module) values (24,105,'istiak',8);
insert into permission (per_id,t_id,per_name,per_module) values (25,106,'rahim',6);

insert into permission (per_id,t_id,per_name,per_module) values (26,107,'karim',3);
insert into permission (per_id,t_id,per_name,per_module) values (27,108,'sumon',11);
select* from permission
```

Results Explain Describe Saved SQL History

PER_ID	PER_NAME	PER_MODULE	T_ID
20	Alex	4	101
21	pori	8	102
22	smith	10	103
23	tanvir	9	104
24	istiak	8	105
25	rahim	6	106
26	karim	3	107
27	sumon	11	108

8 rows returned in 0.00 seconds CSV Export

Application Express 2.1.0.00.39

SQL Commands

Oracle Database Express Edition

User: PROJECT

Home > SQL > SQL Commands

Autocommit: ☒ Display: 10

Save Run

```
select* from passenger

insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) VALUES ('120','ALEX','London street','alex@gmail.com','12333451','1');
insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) VALUES ('121','pori','Savar dhaka','pori@gmail.com','12333414','2');
insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) values ('123','smith','jigatola dhaka','smith@gmail.com','5487854','3');
insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) values ('124','tanvir','dhanmondi 27','tanvir@gmail.com','254878','4');

insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) values ('125','istiak','mirpur dhos','istiak@gmail.com','25485878','5');
insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) values ('126','rahim','mirpur 2','rahim@gmail.com','254010878','6');
insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) values ('127','karim','uttara dhaka','karim@gmail.com','25432878','7');
insert into passenger(p_id,p_name,p_address,p_email,p_password,user_id) values ('128','sumon','Gabtoli','sumon@gmail.com','254435878','8');

select* from users
```

Results Explain Describe Saved SQL History

P_ID	P_ADDRESS	P_NAME	P_EMAIL	P_PASSWORD	USER_ID
120	London street	ALEX	alex@gmail.com	12333451	1
121	Savar dhaka	pori	pori@gmail.com	12333414	2
123	jigatola dhaka	smith	smith@gmail.com	5487854	3
124	dhanmondi 27	tanvir	tanvir@gmail.com	254878	4
125	mirpur dhos	istiak	istiak@gmail.com	25485878	5
126	mirpur 2	rahim	rahim@gmail.com	254010878	6
127	uttara dhaka	karim	karim@gmail.com	25432878	7
128	Gabtoli	sumon	sumon@gmail.com	254435878	8

8 rows returned in 0.00 seconds CSV Export

Application Express 2.1.0.00.39

SQL Commands

Oracle Database Express Edition

User: PROJECT

Home > SQL > SQL Commands

Autocommit Display: 10

Save Run

```
insert into passenger_info (p_id, p_mobile) VALUES (120, 918160651749);
insert into passenger_info (p_id, p_mobile) VALUES (121, 918455065171);
insert into passenger_info (p_id, p_mobile) VALUES (122, 918455065178);
insert into passenger_info (p_id, p_mobile) VALUES (123, 918458445479);
insert into passenger_info (p_id, p_mobile) VALUES (124, 918455065149);
insert into passenger_info (p_id, p_mobile) VALUES (125, 918455065170);
insert into passenger_info (p_id, p_mobile) VALUES (126, 918455065689);
insert into passenger_info (p_id, p_mobile) VALUES (127, 918455048689);
insert into passenger_info (p_id, p_mobile) VALUES (128, 918455048655);

select* from passenger_info
```

Results Explain Describe Saved SQL History

P_ID	P_MOBILE
120	918160651749
121	918455065171
122	918455065178
123	918458445479
124	918455065149
125	918455065170
126	918455065689
127	918455048689
128	918455048655

9 rows returned in 0.00 seconds CSV Export

SQL Commands

Oracle Database Express Edition

User: PROJECT

Home > SQL > SQL Commands

Autocommit Display: 10

Save Run

```
insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (66, 120, 'Valid', 'Round trip Ticket');
insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (67, 121, 'Invalid', 'Business trip Ticket');

insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (69, 123, 'Invalid', 'Round trip Ticket');
insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (70, 124, 'Valid', 'Round trip Ticket');
insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (71, 125, 'Invalid', 'Coach Ticket');
insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (72, 126, 'Invalid', 'One way Ticket');
insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (73, 127, 'Valid', 'Business trip Ticket');
insert into ticket_booking (t_book_id,p_id,t_book_data,t_book_desc) VALUES (74, 128, 'Invalid', 'Round trip Ticket');

select* from ticket_booking
```

Results Explain Describe Saved SQL History

T_BOOK_ID	T_BOOK_DATA	T_BOOK_DESC	P_ID
66	Valid	Round trip Ticket	120
67	Invalid	Business trip Ticket	121
69	Invalid	Round trip Ticket	123
70	Valid	Round trip Ticket	124
71	Invalid	Coach Ticket	125
72	Invalid	One way Ticket	126
73	Valid	Business trip Ticket	127
74	Invalid	Round trip Ticket	128

8 rows returned in 0.00 seconds CSV Export

Application Express 2.1.0.00.39

SQL Commands

Oracle Database Express Edition

User: PROJECT

Home > SQL > SQL Commands

Autocommit Display 10

Save Run

```
insert into payment (c_id,t_book_id,c_name,c_pin )values(234567,66,'Alex',444333);
insert into payment (c_id,t_book_id,c_name,c_pin )values(645568,67,'pori',21556);

insert into payment (c_id,t_book_id,c_name,c_pin )values(645584,69,'smith',158456);
insert into payment (c_id,t_book_id,c_name,c_pin )values(649854,70,'tanvir',123402);

insert into payment (c_id,t_book_id,c_name,c_pin )values(645012,71,'istiak',125465);
insert into payment (c_id,t_book_id,c_name,c_pin )values(641018,72,'rahim',12987);

insert into payment (c_id,t_book_id,c_name,c_pin )values(645326,73,'karim',12031);
insert into payment (c_id,t_book_id,c_name,c_pin )values(6458956,74,'sumon',126969);

select* from payment;
```

Results Explain Describe Saved SQL History

C_ID	C_NAME	C_PIN	T_BOOK_ID
234567	Alex	444333	66
645568	pori	123456	67
645584	smith	158456	69
649854	tanvir	123402	70
645012	istiak	125465	71
641018	rahim	12987	72
645326	karim	12031	73
6458956	sumon	126969	74

8 rows returned in 0.00 seconds CSV Export

Application Express 2.1.0.00.39

SQL Commands

Oracle Database Express Edition

User: PROJECT

Home > SQL > SQL Commands

Autocommit Display 10

Save Run

```
create table payment_info(
c_id number(20),
c_phone number(15),
primary key(c_id, c_phone))

desc payment_info
```

Results Explain Describe Saved SQL History

Object Type: TABLE Object: PAYMENT_INFO

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PAYMENT_INFO	C_ID	Number	-	20	0	1	-	-	-
	C_PHONE	Number	-	15	0	2	-	-	-

1 - 2

Application Express 2.1.0.00.39

Language: en-us

Copyright © 1999, 2006, Oracle. All rights reserved.

SQL Commands

initlak (initlak Shahana)

127.0.0.1:8080/apex/f?p=4500:1003:2858799483150130::NO::

AppsfacebookCrazyHDdesingGraphicsTech bidTvForumsPanzoidPODAd siteAccount SettingsFTP ServerMoodicaFacebook Ads Keyw...BD BlogResearchgit repo pheroOther bookmarksReading list

ORACLE Database Express Edition

HomeLogoutHelp

User PROJECT

Home > SQL > SQL Commands

☒ Autocommit

Display 10

Save

Run

```
insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1100,101,234567,(to_date('23/04/21','dd/mm/yyyy')),'Reserved');
insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1101,102,645568,(to_date('23/04/21','dd/mm/yyyy')),'Reserved');

insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1102,103,645584,(to_date('12/06/21','dd/mm/yyyy')),'Reserved');
insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1103,104,649854,(to_date('20/07/21','dd/mm/yyyy')),'Reserved');

insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1104,105,645012,(to_date('01/08/21','dd/mm/yyyy')),'Reserved');
insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1105,106,641018,(to_date('09/10/21','dd/mm/yyyy')),'Reserved');

insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1106,107,645326,(to_date('08/11/21','dd/mm/yyyy')),'Reserved');
insert into reservation (re_id,re_pass_id,c_id,re_date,re_desc) values (1107,108,6458956,(to_date('19/12/21','dd/mm/yyyy')),'Reserved');
```

select* from reservation

Results

Explain

Describe

Saved SQL

History

RE_ID	RE_PASS_ID	RE_DATE	RE_DESC	C_ID
1100	101	23-APR-21	Reserved	234567
1101	102	23-APR-21	Reserved	645568
1102	103	12-JUN-21	Reserved	645584
1103	104	20-JUL-21	Reserved	649854
1104	105	01-AUG-21	Reserved	645012
1105	106	09-OCT-21	Reserved	641018
1106	107	08-NOV-21	Reserved	645326
1107	108	19-DEC-21	Reserved	6458956

8 rows returned in 0.00 seconds

CSV Export

Application Express 2.1.0.00.39

Type here to search

7:40 PM 8/15/2021

Question & Answer

1. Find all the passenger (Re_ID) and their Reservation_date who are reserved the ticket after the Re_ID 1104.
2. Display the Login_ID,T_date of the Types is from india.
3. Referring to the table Users,user id, display all the User_name,User_address user_email who's User ID is above than 5
4. Write a query to get the difference between the highest and lowest Reservation ID(Re_ID).
5. Display the p_name and concat all the p_name of the passengers and their p_email by joining the column using concat function and show the length of p_name.
6. create view psk that contains details of c_name='istiak'
7. create view, payment_cvu that contains details of c_name='istiak'
8. Display the name of passengers who bought Round trip Ticket.
9. Display name and p_id of that person who lives in dhanmondi 27 Road.
10. Display name, and reservation date of those people whose re_desc status is reserved.