

21CS2110RA – DBMS LAB WORKBOOK

IN-LAB:

Implementation of basic SQL Queries DDL commands, DML commands, Integrity Constraints & Joins on Case Study 1 (TRANSPORT DEPARTMENT)

Use the below Entities and attributes and implement the below SQL queries

ENTITIES	ATTRIBUTES
CUSTOMER	cust_id, cust_name, dob, city, street, state, pincode, ph_no, deal_no, photo_identity, v_id
VEHICLE	veh_id, veh_type, veh_name, veh_number
EDU_BUS	edu_id, edu_name, ph_no, city, street, state, pincode, deal_no
DEALER	deal_id, deal_name, city, street, state, pincode, d_no, ph_int
BRANCH	branch_id, b_name, state, city, pincode, street, d_no, phno1, phno2, c_id, v_id, e_id
RENEWAL	brach_id, c_id, check_license_period
REGISTRATION	cust_id, veh_id, deal_id, date
CONTRACT_PERMISSION	veh_id, branch_id, no_of_days, amount_per_seat

CUSTOMER

cust_id	cust_name	dob	city	street	state	pincode	ph_no	deal_no	photo_identity	v_id
41	raju	13-09-1996	Guntur	Ramgopal street	Andhra Pradesh	500213	9123456789	10	y	3
42	hari	19-06-2016	Perambur	Mylapur	Tamil Nadu	500211	1122334455	20	n	2
43	giri	20-01-1995	Hyderabad	SR Nagar	Telangana	500079	8877665544	30	y	4
44	ramu	17-07-1996	Vijayawada	Benz circle	Andhra Pradesh	512345	7654564321	40	y	5
45	rahul	08-12-1995	Guntur	Raju Nagar	Andhra Pradesh	523022	9999999998	50	y	7
46	gopi	13-08-1979	Hyderabad	Gachibowli	Telangana	567089	7787777775	10	n	1
47	karthik	15-01-2004	Guntur	Chandramouli nagar	Andhra Pradesh	546789	7788776633	20	n	6
48	gopal	06-12-2000	Hyderabad	Ameerpet	Telangana	500023	6734556345	30	y	8
49	Dinesh	10-12-2001	Hyderabad	Kondapur	Telangana	502033	6794537212	30	n	10
50	Suresh	25-03-1999	Vijayawada	Poranki	Andhra Pradesh	512022	7896543233	20	y	9

Customer

Create Table Customer

```
(  
  CUST_ID /* INTEGER ID, IDENTITY,  
  CUST_NAME VARCHAR(20);  
  DOB VARCHAR,  
  CITY VARCHAR(30),  
  STREET VARCHAR(20),  
  STATE VARCHAR(30),  
  PINCODE INTEGER,  
  PH_NO VARCHAR(30),  
  DEAL_NO INTEGER,  
  PHOTO_IDENTITY VARCHAR(30),  
  V_ID INTEGER,  
);
```

```
INSERT INTO CUSTOMER (CUST_ID, CUST_NAME, DOB, CITY,  
STREET, STATE, PINCODE, PH_NO, DEAL_NO, PHOTO_IDENTITY,  
V_ID)
```

```
VALUES (41, 'raju', '13-09-1996', 'Guntur', 'Ramgopal Street',  
'Andhrapradesh', 500743, '912345678', '10', '4', 3)
```

```
CREATE TABLE VEHICLE
```

```
(  
  Vch-id INT primary key,  
  Vch-type VARCHAR(20),  
  Vch-name VARCHAR(20),  
  Vch-num INT primary key  
);
```

```
INSERT INTO VEHICLE (Vch-id, Vch-type, Vch-name,  
  Vch-num)
```

```
VALUES (1, '2-wheeler', 'royal-enfield', AP1234);
```

```
SELECT FROM VEHICLE;
```

```
INSERT INTO VEHICLE
```

```
VALUES (2, '3-wheeler', 'auto', AP3421);
```

```
SELECT FROM VEHICLE;
```

```
INSERT INTO VEHICLE;
```

```
VALUES (3, '2-wheeler', 'royal-enfield', TS213);
```

```
SELECT FROM VEHICLE;
```

```
INSERT INTO VEHICLE;
```

```
VALUES (5, '4-wheeler', 'benz', TS1256);
```


EDU-BUS

CREATE TABLE EDU-BUS

(
edu_id int primary key;
edu_name Varchar(20);
ph_no int primary key,
city Varchar(20),
street Varchar(20);
state Varchar(20),
Pincode int,
deal_no int.

);

INSERT INTO EDU-BUS (edu_id, edu_name, ph_no,
city, street, state, pincode, deal_no)
VALUES (31, 'dps', 1122334455, 'hyderabad', Sanath nagar,
'Telangana', 512345, 44);

SELECT * FROM EDU-BUS;

INSERT INTO EDU-BUS;

VALUES (32, 'KLU', 4453667768, 'guntur', 'Vaddeswaram',
'Andhra Pradesh', 567432, 111);

SELECT * FROM EDU-BUS;

INSERT INTO EDU-BUS;

VALUES (33, 'dav', '1234567896', 'Hyderabad', 'jubilee
Hills', 'Telangana', 500897, 333);

BRANCH

CREATE TABLE BRANCH

(

Branch_id int;

B_name VARCHAR(20),

State VARCHAR(30),

City VARCHAR(30),

Pincode INT,

STREET VARCHAR(20),

cl-no int,

ph-no1 VARCHAR(20),

ph-no2 VARCHAR(20),

C-id int,

V-id int,

e-id int,

);

INSERT INTO BRANCH (Branch_id, B_name, State, city,
pincode, street, cl-no, ph no1, ph no2, C-id, V-id,
e-id)

VALUE (210, 'Kukatpally', 'Telanagana', 'Hyderabad',
521010, 'jntu', 53, 97-86 54 3211, 876 54 32189, 41, 1, 3);

SELECT * FROM BRANCH;

INSERT INTO BRANCH

VALUE (212, 'hitech city', 'telanagana', 'Hyderabad',
521012, 'gachibowli', 55, 7968 787 877, 42, 3, 33);

RENEWAL

CREATE TABLE RENEWAL

(

branch_id INT,

c-id INT,

check_license_period

);

INSERT INTO RENEWAL (branch-id, check_license_period)

VALUES (210, 41, 4);

SELECT * FROM RENEWAL;

INSERT INTO RENEWAL;

VALE (210, 4216);

SELECT * FROM (RENEWAL);

REGISTRATION

CREATE TABLE REGISTRATION

(

cust-id int,

veh-id int,

dead-id int,

date int primary key

);

INSERT INTO REGISTRATION (cust-id, veh-id, idea-id, data);

VALUE (41, 3, 55, 04-04-2014);

SELECT * FROM REGISTRATION;

INSERT INTO REGISTRATION

VALUES (42, 2, 54, 16-9-2003);

CREATE TABLE CUSTOMERS

(

Id INT;

NAME VARCHAR(20);

INSERT INTO CUSTOMER (Id, NAME)

VALUE (1, 'JOE');

SELECT * FROM CUSTOMER;

INSERT INTO CUSTOMER

VALUE (2, 'Henry');

SELECT (3, * FROM CUSTOMER;

INSERT INTO CUSTOMER;

VALUE (3, 'sam');

SELECT * FROM CUSTOMER;

INSERT INTO CUSTOMER

VALUE (4, 'MAX');

SELECT * FROM CUSTOMER;

CREATE TABLE WORLD

(

Name VARCHAR(20),

Continent VARCHAR(20),

area INTEGER,

Population INTEGER,

gdp INTEGER);

INSERT INTO WORLD (Name, Continent, area, Population,

gap)

VALUE ('Afghanistan', 'ASIA', 652230, '25500100', 2034300);

SELECT * FROM World;