Assignment 3

1. **Create table dept with the following attributes (Add constraints during creation of the table):**

Column name	Data type(size)	Constraints
dept_id	number(3)	primary key
dept_name	varchar2(10)	

create table dep (dep_id number(3) not null,dep_name varchar2(10),primary key(dep_id));

SQL Worksheet

```
1  create table dep (dep_id number(3) not null,dep_name varchar2(10),primary key(dep_id));
2
```

Table created.

2. **Insert 4 department records with names and id's 90, 69, 100 and 110.**

```
insert into dep values(90,'CSE');
insert into dep values(69,'IT');
insert into dep values(100,'EE');
insert into dep values(110,'ECE');
select * from dep;
```

SQL Worksheet

```
1  insert into dep values(90,'CSE');
2  insert into dep values(69,'IT');
3  insert into dep values(100,'EE');
4  insert into dep values(110,'ECE');
5  select * from dep;
6
```

```
1 row(s) inserted.

1 row(s) inserted.
```

DEP_ID	DEP_NAME
90	CSE
69	IT
100	EE
110	ECE

3. **Create table Student with the following attributes(Add constraints during creation of the table) :**

Column name	Data type(size)	Constraints
stud_id	number(3)	primary key
name	varchar2(15)	

marks **number(5,2)**
Dept_id **number(3)** **foreign key refers to dept**

create table Student (stud_id number(3) not null,name varchar2(15),marks number(5,2),dep_id number(3),primary key(stud_id),foreign key (dep_id) references dep (dep_id));

SQL Worksheet

Clear

```
1  create table Student (stud_id number(3) not null,name varchar2(15),marks number(5,2),dep_id number(3),primary key(stud_id),foreign key (dep_id) references dep (dep_id));
```

Table created.

4. **Insert 4 student records.**

```
insert into Student(stud_id,name,marks,dep_id)values('1','Suvodeep','57','90');
insert into Student(stud_id,name,marks,dep_id)values('2','Didhiti','88','69');
insert into Student(stud_id,name,marks,dep_id)values('3','Amlan','94','100');
insert into Student(stud_id,name,marks,dep_id)values('4','Sahin','45','110');
select * from Student;
```

SQL Worksheet

```
1  insert into Student(stud_id,name,marks,dep_id)values('1','Suvodeep','57','90');
2  insert into Student(stud_id,name,marks,dep_id)values('2','Didhiti','88','69');
3  insert into Student(stud_id,name,marks,dep_id)values('3','Amlan','94','100');
4  insert into Student(stud_id,name,marks,dep_id)values('4','Sahin','45','110');
5  select * from Student;
6
```

1 row(s) inserted.

1 row(s) inserted.

STUD_ID	NAME	MARKS	DEP_ID
1	Suvodeep	57	90
2	Didhiti	88	69
3	Amlan	94	100
4	Sahin	45	110

Download CSV
4 rows selected.

5. **Insert a record in the student table with dept_id 50**

```
insert into dep(dep_id,dep_name)values('50','IOT');
insert into Student(stud_id,name,marks,dep_id)values('5','Peter','54','50');
select * from Student;
```

SQL Worksheet

```
1  insert into dep(dep_id,dep_name)values('50','IOT');
2  insert into Student(stud_id,name,marks,dep_id)values('5','Peter','54','50');
3  select * from Student;
```

```
1 row(s) inserted.
```

STUD_ID	NAME	MARKS	DEP_ID
1	Suvodeep	57	90
2	Didhiti	88	69
3	Amlan	94	100
4	Sahin	45	110
5	Peter	54	50

6. **Display the name and marks of the students whose name contain at least one ‘d’. [using like]**

select name,marks from Student where name like '%d%';

SQL Worksheet

```
1  select name,marks from Student where name like '%d%';
```

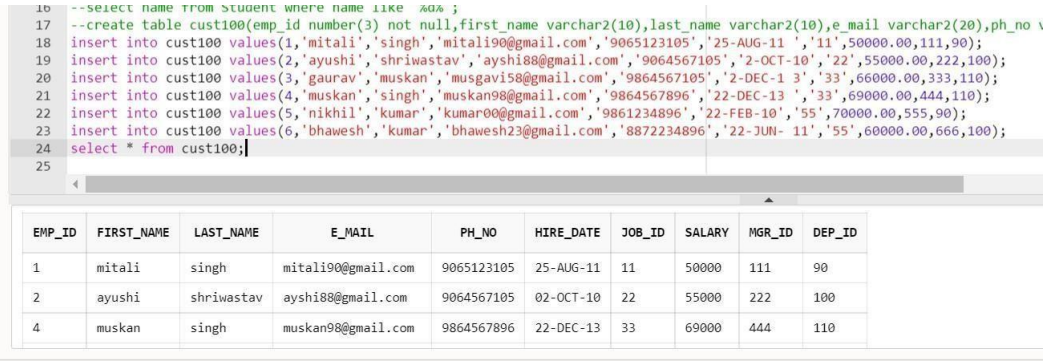
NAME	MARKS
Suvodeep	57
Didhiti	88

7. **Create table cust100 with the following attributes (Add constraints after creating the table):**

create table cust100(emp_id number(3) not null,first_name varchar2(10),last_name varchar2(10),e_mail varchar2(20),ph_no varchar2(15),hire_date date,job_id varchar2(10),salary number(8,2),mgr_id number(3),dep_id number(3),primary key (emp_id),foreign key (dep_id) references dep(dep_id));

8. **Add 6 records to cust 100:**

insert into cust100 values(1,'mitali','singh','mitali90@gmail.com','9065123105','25-AUG-11','11',50000.00,111,90); insert into cust100 values(2,'ayushi','shriwastav','ayshi88@gmail.com','9064567105','2-OCT-10','22',55000.00,222,100); insert into cust100 values(3,'gaurav','muskan','musgavi58@gmail.com','9864567105','2-DEC-13','33',66000.00,333,110); insert into cust100 values(4,'muskan','singh','muskan98@gmail.com','9864567896','22-DEC-13','33',69000.00,444,110); insert into cust100 values(5,'nikhil','kumar','kumar00@gmail.com','9861234896','22-FEB-10','55',70000.00,555,90); insert into cust100 values(6,'bhawesh','kumar','bhawesh23@gmail.com','8872234896','22-JUN-11','55',60000.00,666,100); select * from cust100;

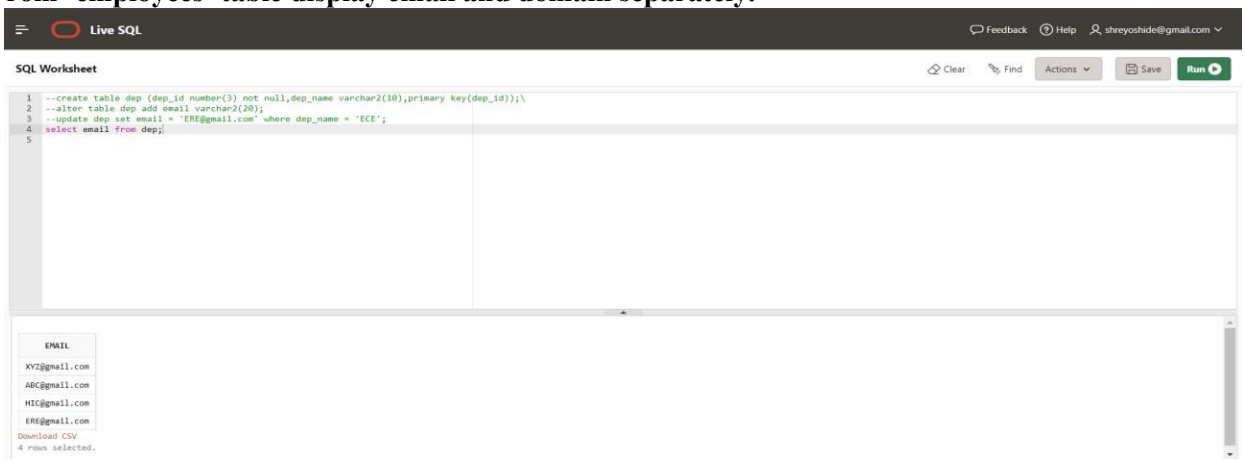


9. **Drop column mrg_id**

alter table cust100
drop column mgr_id; select * from cust100;

ASSIGNMENT 2

16. From ‘employees’ table display email and domain separately.




```
SELECT SUBSTRING ([email], CHARINDEX( '@', [email]) + 1,
LEN([email])) AS [Domain]
FROM [dep];
```

gmail.com
gmail.com
gmail.com
gmail.com