

Group_Subquery

1) Display the first name of all the candidates who are Democrats. (use subquery)

```
partydesc varchar(20)
);

insert into party
values(1,'Democrat');

insert into party
values(2,'Republican');

insert into party
values(3,'Independent');

insert into party
values(4,'');

create table candidate
(
  lname varchar(40) not null,
  fname varchar(20) not null,
  address varchar(20),
  salary number,
  dob date,
  partyid number references party
);

insert into candidate
values('jennet', 'abraham', 'Berkeley, CA.', salary.nextval, '01 feb 1960',1);

insert into candidate
values ('Green', 'abraham', 'Oakland, CA.', salary.nextval, '01 feb 1964',1 );

insert into candidate
values('gren', 'cheryl', 'Berkeley, CA.', null, '01 feb 1968',2 );

insert into candidate
values('greenr', 'albert', 'Salt Lake City, UT', salary.nextval, '01 feb 1970',2);

insert into candidate
values('gran', 'anne', 'Salt Lake City, UT', salary.nextval, '01 feb 1961',3 );

insert into candidate
values('mama', 'mia', 'pepper City, UT', salary.nextval, '01 feb 1968',null );
commit;

select fname from candidate where partyid = (select partyid from party where partydesc = 'Democrat');
```

Script Output x Query Result x

SQL | All Rows Fetched: 2 in 0.093 seconds

	FNAME
1	abraham
2	abraham

2) Display the party description of the all the candidates whose last name ends with 'C'

regardless of case. (Use subquery)

Worksheet | Query Builder

```
insert into party
values(1,'Democrat');

insert into party
values(2,'Republican');

insert into party
values(3,'Independent');

insert into party
values(4,'');

create table candidate
(
  lname varchar(40) not null,
  fname varchar(20) not null,
  address varchar(20),
  salary number,
  dob date,
  partyid number references party
);

insert into candidate
values('jennet', 'abraham', 'Berkeley, CA.', salary.nextval, '01 feb 1960',1);

insert into candidate
values ('Green', 'abraham', 'Oakland, CA.', salary.nextval, '01 feb 1964',1 );

insert into candidate
values('gren', 'cheryl','Berkeley, CA.',null,'01 feb 1968',2 );

insert into candidate
values('greenr', 'albert', 'Salt Lake City, UT', salary.nextval, '01 feb 1970',2);

insert into candidate
values('gran', 'anne', 'Salt Lake City, UT', salary.nextval, '01 feb 1961',3 );

insert into candidate
values('mama', 'mia', 'pepper City, UT', salary.nextval, '01 feb 1968',null );
commit;

select fname from candidate where partyid = (select partyid from party where partydesc = 'Democrat');

select partydesc from party where partyid in (select partyid from candidate where lower(lname) like '%c');
```

Script Output x | Query Result x

SQL | All Rows Fetched: 0 in 0.041 seconds

PARTYDESC

3) Display the first name of all the candidates who are either Democrats or Republicans regardless of case. (use subquery, use in clause)

Worksheet

Query Builder

```

insert into party
values(1,'Democrat');

insert into party
values(2,'Republican');

insert into party
values(3,'Independent');

insert into party
values(4,'');

create table candidate
(
  lname varchar(40) not null,
  fname varchar(20) not null,
  address varchar(20),
  salary number,
  dob date,
  partyid number references party
);

insert into candidate
values('jennet', 'abraham', 'Berkeley, CA.', salary.nextval, '01 feb 1960',1);

insert into candidate
values ( 'Green', 'abraham', 'Oakland, CA.',salary.nextval, '01 feb 1964',1 );

insert into candidate
values('gren', 'cheryl','Berkeley, CA.',null,'01 feb 1968',2 );

insert into candidate
values('greenr', 'albert', 'Salt Lake City, UT', salary.nextval, '01 feb 1970',2);

insert into candidate
values('gran', 'anne', 'Salt Lake City, UT', salary.nextval, '01 feb 1961',3 );

insert into candidate
values('mama', 'mia', 'pepper City, UT', salary.nextval, '01 feb 1968',null );
commit;

select fname from candidate where partyid = (select partyid from party where partydesc = 'Democrat');

select partydesc from party where partyid in (select partyid from candidate where lower(lname) like '%c');

select fname from candidate where partyid in(select partyid from party where partyid = '1' or partyid = '2');

```

Script Output x

Query Result x

SQL | All Rows Fetched: 4 in 0.038 seconds

	FNAME
1	abraham
2	abraham
3	cheryl
4	albert

4) Create a second table called candidate2 that contains all the data from the candidate table using create table as... statement. The new table should contain only the first name, lastname and the salary, lowered by 10% for all the candidates who are Republicans

worksheet | Query Builder

```

y, CA.', salary.nextval, '01 feb 1960',1);

d, CA.',salary.nextval, '01 feb 1964',1 );

A.',null,'01 feb 1968',2 );

ke City, UT', salary.nextval, '01 feb 1970',2);

ty, UT', salary.nextval, '01 feb 1961',3 );

UT', salary.nextval, '01 feb 1968',null );

partyid = (select partyid from party where partydesc = 'Democrat');
partyid in (select partyid from candidate where lower(lname) like '%c');
partyid in(select partyid from party where partyid = '1' or partyid = '2');
name, lname, decode(partyid (select partyid from party where partyid ='2'), (salary*0.9), salary) new_salary from candidate;

```

Script Output x | Query Result x

Task completed in 0.199 seconds

Error starting at line : 66 in command -
create table candidate2 as select fname, lname, decode(partyid (select partyid from party where partyid ='2'), (salary*0.9), salary)
Error at Command Line : 66 Column : 65
Error report -
SQL Error: ORA-00936: missing expression
00936. 00000 - "missing expression"
Cause:
Action: