

# SELECT Commands

## Exp 3

Susarla Padma Sai Abhilash

RA1911033010024

Aim - To perform various SQL SELECT commands

### Creating Table

```
SQL> create table studentdb(name varchar(20), marks number, house varchar(20), subject  
varchar(20), examdate date);
```

Table created.

### Inserting values

```
SQL> insert into studentdb values('deeSai Prasad',95,'yellow','maths',to_date('2019-01-22','yyyy-  
mm-dd'));
```

1 row created.

```
SQL> select * from studentdb;
```

NAME	MARKS	HOUSE	SUBJECT
Abhilash	95	yellow	maths
22-JAN-19			

```
SQL> insert into studentdb values('Paramesh',95,'blue','science',to_date('2019-01-27','yyyy-mm-  
dd')); 1 row created.
```

```
SQL> insert into studentdb values('Sai Prasad',87,'red','english',to_date('2019-01-10','yyyy-mm-  
dd')); 1 row created.
```

```
SQL> insert into studentdb values('Abhishek',67,'blue','english',to_date('2019-01-11','yyyy-mm-  
dd')); 1 row created.
```

```
SQL> insert into studentdb values('Dinesh',79,'yellow','science',to_date('2019-01-28','yyyy-mm-  
dd')); 1 row created.
```

```
SQL> insert into studentdb values('Ganesh',55,'red','science',to_date('2019-01-25','yyyy-mm-dd')); 1  
row created.
```

```
insert into studentdb values('Santoosh',98,'blue','maths',to_date('2019-01-23','yyyy-mm-dd'));
```

1 row created.

```
SQL> insert into studentdb values('Karthik',61,'blue','english',to_date('2019-01-13','yyyy-mm-dd'));
```

1 row created.

## **SELECT commands**

```
SQL> select * from studentdb;
```

NAME	MARKS HOUSE	SUBJECT
EXAMDATE		
-----		
Abhilash 22-JAN-19	95 yellow	maths
Paramesh 27-JAN-19	95 blue	science
Sai Prasad 10-JAN-19	87 red	english

NAME	MARKS HOUSE	SUBJECT
EXAMDATE		
-----		
Abhishek 11-JAN-19	67 blue	english
Dinesh 28-JAN-19	79 yellow	science
Ganesh 25-JAN-19	55 red	science

NAME	MARKS HOUSE	SUBJECT
EXAMDATE		
-----		
Santoosh 23-JAN-19	98 blue	maths
Karthik 13-JAN-19	61 blue	english

8 rows selected.

## **Where commands**

```
select * from studentdb where house = 'yellow';
```

NAME	MARKS HOUSE	SUBJECT
-----		

EXAMDATE

-----

Abhilash 22- 95 yellow maths  
JAN-19

Dinesh 28- 79 yellow science  
JAN-19

SQL> select name,marks from studentdb where marks > 85;

NAME MARKS

-----

Abhilash 95  
Paramesh 95  
Sai Prasad 87  
Santoosh 98

SQL> select name,subject,marks from studentdb where subject = 'science';

NAME SUBJECT MARKS

-----

Paramesh science 95  
Dinesh science 79  
Ganesh science 55

SQL> select name,subject,marks,examdate from studentdb where examdate > to\_date('2019-01-15','yyyy-mm-dd');

NAME SUBJECT MARKS

----- EXAMDATE

Abhilash maths 95 22-JAN-19  
Paramesh science 95 27-JAN-19  
Dinesh science 79 28-JAN-19  
Ganesh science 55 25-JAN-19  
Santoosh maths 98 23-JAN-19

SQL> select name,subject,marks,examdate from studentdb where examdate > to\_date('2019-01-25','yyyy-mm-dd');

NAME SUBJECT MARKS EXAMDATE

-----

Paramesh science 95 27-JAN-19 Dinesh science 79 28-JAN-19

SQL> select name,subject,marks,examdate from studentdb where examdate between to\_date('2019-01-20','yyyy-mm-dd') and to\_date('2019-01-25','yyyy-mm-dd');

NAME SUBJECT MARKS EXAMDATE

-----

Abhilash maths 95 22-JAN-19  
Ganesh science 55 25-JAN-19  
Santoosh maths 98 23-JAN-19

select name,subject from studentdb where house='red';

NAME	SUBJECT
Sai Prasad	english
Ganesh	science

### Order by commands

SQL> select \* from studentdb order by marks desc;

NAME	SUBJECT	MARKS
Sai Prasad	english	87

  

NAME	MARKS HOUSE	SUBJECT
Santoosh 23-JAN-19	98 blue	maths
Abhilash 22-JAN-19	95 yellow	maths
Paramesh 27-JAN-19	95 blue	science

NAME	MARKS HOUSE	SUBJECT
Sai Prasad 10-JAN-19	87 red	english
Dinesh 28-JAN-19	79 yellow	science
Abhishek 11-JAN-19	67 blue	english

NAME	MARKS HOUSE	SUBJECT
Karthik 13-JAN-19	61 blue	english
Abhilash 25-JAN-19	55 red	science

8 rows selected.

SQL> select name, subject, marks from studentdb order by exam date asc;

Abhishek	english	67
Karthik	english	61

Abhilash	maths	95
Santoosh	maths	98
Ganesh	science	55
Paramesh	science	95
Dinesh	science	79

8 rows selected.

SQL> select name, subject, exam date from studentdb order by exam date asc;

NAME	SUBJECT	EXAMDATE
Sai Prasad	english	10-JAN-19
Abhishek	english	11-JAN-19
Karthik	english	13-JAN-19
Abhilash	maths	22-JAN-19
Santoosh	maths	23-JAN-19
Ganesh	science	25-JAN-19
Paramesh	science	27-JAN-19
Dinesh	science	28-JAN-19

8 rows selected.

## Regexp

SQL> select name, subject, marks from studentdb where name regexp '^de';  
 select name, subject, marks from studentdb where name regexp '^de' \*  
 ERROR at line 1:  
 ORA-00920: invalid relational operator

SQL> select name, subject, marks from studentdb where name like 'de%';

NAME	SUBJECT	MARKS
Abhilash	maths	95
Ganesh	science	55

SQL> select name,subject,marks from studentdb where name like '%j';

NAME	SUBJECT	MARKS
Abhilash	maths	95
Sai Prasad	english	87

SQL> spool off

Result - Hence all the commands were executed successfully