**PracticalNo. 3**

**Aim: Inserting and retrieving data from database using DML commands.**

1. **Select**
2. **Insert**
3. **Update**
4. **Delete**
5. **Merge**

**Q.1) Inserting records by adding values**

SQL> insert into student values(101,'pooja','pass');

1 row created.

SQL> insert into student values(102,'Bharti','pass')

1. row created.

**Q.2) Display the records**.

SQL> select\*from student;

RNO NAME RESUL

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101 pooja pass

1. Bharti pass

**Q.3) Inserting record by columns**

SQL> insert into student(rno, name, result)values(103,'payal','fail');

1 row created.

SQL> insert into student(rno, name, result)values(104,'Ram', 'fail');

1. row created.

**Q.4) Display the records**.

SQL> select\*from student;

RNO NAME RESUL

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101 pooja pass

102 Bharti pass

103 payal fail

1. Ram fail

**Q.5) Inserting multiple records**

SQL> insert into student(rno, name,result)values(&rno,'&name','&result');

Enter value for rno: 105

Enter value for name: Riya

Enter value for result: pass

old 1: insert into student(rno, name,result)values(&rno,'&name','&result')

new 1: insert into student(rno, name,result)values(105,'Riya','pass')

1 row created.

SQL> /

Enter value for rno: 106

Enter value for name: tanya

Enter value for result: fail

old 1: insert into student(rno, name,result)values(&rno,'&name','&result')

new 1: insert into student(rno, name,result)values(106,'tanya','fail')

SQL> /

Enter value for rno: 107

Enter value for name: Om

Enter value for result: pass

old 1: insert into student(rno, name,result)values(&rno,'&name','&result')

new 1: insert into student(rno, name,result)values(107,'Om','pass')

1 row created..

SQL> /

Enter value for rno: 108

Enter value for name: Sakshi

Enter value for result: pass

old 1: insert into student(rno, name,result)values(&rno,'&name','&result')

new 1: insert into student(rno, name,result)values(108,'Sakshi','pass')

1 row created..

SQL> 109

SP2-0226: Invalid line number

SQL> /109

Enter value for rno: 109

Enter value for name: Tanu

Enter value for result: fail

old 1: insert into student(rno, name,result)values(&rno,'&name','&result')

new 1: insert into student(rno, name,result)values(109,'Tanu','fail')

1 row created.

SQL> /

Enter value for rno: 110

Enter value for name: Rani

Enter value for result: pass

old 1: insert into student(rno, name,result)values(&rno,'&name','&result')

new 1: insert into student(rno, name,result)values(110,'Rani','pass')

1row created.

**Q.6) Display the records.**

SQL> select\*from student;

RNO NAME RESUL

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101 pooja pass

102 Bharti pass

103 payal fail

104 Ram fail

105 Riya pass

106 tanya fail

107 Om pass

108 Sakshi pass

109 Tanu fail

110 Rani pass

1. ows selected.

**Q.7) Updating table**

SQL> update student set result='fail' where rno=106;

1 row updated.

SQL> select\*from student;

RNO NAME RESUL

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101 pooja pass

102 Bharti pass

103 payal fail

104 Ram fail

105 Riya pass

106 tanya fail

107 Om pass

108 Sakshi pass

109 Tanu fail

110 Rani pass

10 rows selected**.**

SQL> update student set result='pass'where rno=109;

1 row updated.

SQL> select\*from student;

RNO NAME RESUL

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101 pooja pass

102 Bharti pass

103 payal fail

104 Ram fail

105 Riya pass

106 tanya fail

107 Om pass

108 Sakshi pass

109 Tanu pass

110 Rani pass

1. rows selected.

**Q.8) Delete record from the table**

SQL> delete from student where result='pass';

7 rows deleted.

SQL> select\*from student;

RNO NAME RESUL

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103 payal fail

104 Ram fail

106 tanya fail