**CREATING A TABLE**

**SQL> create table EMPLOYEE(EID number(3) primary key,NAME varchar(15),AGE number(2),SALARY number(7),DESIGNATION varchar(20),MGR\_ID number(3),foreign key(MGR\_ID) references EMPLOYEE(EID));**

Table created.

**INSERTING 15 RECORDS**

**SQL> insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID);**

Enter value for eid: 101

Enter value for name: Adithi

Enter value for age: 45

Enter value for salary: 60000

Enter value for designation: Manager

Enter value for mgr\_id: 101

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(101,'Adithi',45,60000,'Manager',101)

1 row created.

SQL> /

Enter value for eid: 102

Enter value for name: Divya

Enter value for age: 30

Enter value for salary: 70000

Enter value for designation: Programmer

Enter value for mgr\_id: 101

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(102,'Divya',30,70000,'Programmer',101)

1 row created.

SQL> /

Enter value for eid: 103

Enter value for name: Mamatha

Enter value for age: 25

Enter value for salary: 30000

Enter value for designation: Tester

Enter value for mgr\_id: 101

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(103,'Mamatha',25,30000,'Tester',101)

1 row created.

SQL> /

Enter value for eid: 105

Enter value for name: Meghana

Enter value for age: 42

Enter value for salary: 65000

Enter value for designation: Manager

Enter value for mgr\_id: 105

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(105,'Meghana',42,65000,'Manager',105)

1 row created.

SQL> /

Enter value for eid: 104

Enter value for name: Mounika

Enter value for age: 35

Enter value for salary: 50000

Enter value for designation: Programmer

Enter value for mgr\_id: 105

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(104,'Mounika',35,50000,'Programmer',105)

1 row created.

SQL> /

Enter value for eid: 106

Enter value for name: Neha

Enter value for age: 33

Enter value for salary: 20000

Enter value for designation: Tester

Enter value for mgr\_id: 101

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(106,'Neha',33,20000,'Tester',101)

1 row created.

SQL> /

Enter value for eid: 107

Enter value for name: Pranathi

Enter value for age: 21

Enter value for salary: 80000

Enter value for designation: Programmer

Enter value for mgr\_id: 105

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(107,'Pranathi',21,80000,'Programmer',105)

1 row created.

SQL> /

Enter value for eid: 108

Enter value for name: Likhitha

Enter value for age: 28

Enter value for salary: 35000

Enter value for designation: Tester

Enter value for mgr\_id: 105

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(108,'Likhitha',28,35000,'Tester',105)

1 row created.

SQL> /

Enter value for eid: 110

Enter value for name: Mariya

Enter value for age: 29

Enter value for salary: 60000

Enter value for designation: Programmer

Enter value for mgr\_id: 109

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(110,'Mariya',29,60000,'Programmer',109)

1 row created.

SQL> /

Enter value for eid: 111

Enter value for name: Gayatri

Enter value for age: 30

Enter value for salary: 40000

Enter value for designation: Tester

Enter value for mgr\_id: 109

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(111,'Gayatri',30,40000,'Tester',109)

1 row created.

SQL> /

Enter value for eid: 112

Enter value for name: Harika

Enter value for age: 35

Enter value for salary: 60000

Enter value for designation: Programmer

Enter value for mgr\_id: 109

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(112,'Harika',35,60000,'Programmer',109)

1 row created.

SQL> /

Enter value for eid: 114

Enter value for name: Prasanna

Enter value for age: 40

Enter value for salary: 45000

Enter value for designation: Tester

Enter value for mgr\_id: 113

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(114,'Prasanna',40,45000,'Tester',113)

1 row created.

SQL> /

Enter value for eid: 115

Enter value for name: Ojasvitha

Enter value for age: 45

Enter value for salary: 50000

Enter value for designation: Programmer

Enter value for mgr\_id: 113

old 1: insert into EMPLOYEE values(&EID,'&NAME',&AGE,&SALARY,'&DESIGNATION',&MGR\_ID)

new 1: insert into EMPLOYEE values(115,'Ojasvitha',45,50000,'Programmer',113)

1 row created.

**DISPLAYING EMPLOYEE RECORDS**

**SQL> select \* from EMPLOYEE;**

EID NAME AGE SALARY DESIGNATION MGR\_ID

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101 Adithi 45 60000 Manager 101

102 Divya 30 70000 Programmer 101

103 Mamatha 25 30000 Tester 101

105 Meghana 42 65000 Manager 105

104 Mounika 35 50000 Programmer 105

106 Neha 33 20000 Tester 101

107 Pranathi 21 80000 Programmer 105

108 Likhitha 28 35000 Tester 105

109 Nishitha 46 75000 Manager 109

110 Mariya 29 60000 Programmer 109

111 Gayatri 30 40000 Tester 109

EID NAME AGE SALARY DESIGNATION MGR\_ID

---------- --------------- ---------- ---------- -------------------- ----------

112 Harika 35 60000 Programmer 109

113 Keerthana 50 80000 Manager 113

114 Prasanna 40 45000 Tester 113

115 Ojasvitha 45 50000 Programmer 113

15 rows selected.

**Find the oldest employee in the company.**

**SQL> select \* from EMPLOYEE where AGE=(select max(AGE) from EMPLOYEE);**

EID NAME AGE SALARY DESIGNATION MGR\_ID

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113 Keerthana 50 80000 Manager 113

SQL> select w.MGR\_ID,count(\*) as NO\_OF\_EMPLOYEES from EMPLOYEE w,EMPLOYEE m where w.MGR\_ID=m.EID group by w.MGR\_ID order by w.MGR\_ID;

MGR\_ID NO\_OF\_EMPLOYEES

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101 4

105 4

109 4

113 3

**Find the no.of Employees under the same manager.**

**SQL> select w.MGR\_ID,count(\*) as NO\_OF\_EMPLOYEES from EMPLOYEE w,EMPLOYEE m where w.MGR\_ID=m.EID group by w.MGR\_ID;**

MGR\_ID NO\_OF\_EMPLOYEES

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113 3

101 4

105 4

109 4

**Find the total Expenses of the company**

**SQL> select sum(SALARY) as TOTAL\_EXPENSES from EMPLOYEE;**

TOTAL\_EXPENSES

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820000

**List all the Employees whose salary is more than their manager.**

**SQL> select \* from EMPLOYEE w,EMPLOYEE m where w.MGR\_ID=m.EID and w.SALARY>m.SALARY;**

EID NAME AGE SALARY DESIGNATION MGR\_ID

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EID NAME AGE SALARY DESIGNATION MGR\_ID

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102 Divya 30 70000 Programmer 101

101 Adithi 45 60000 Manager 101

107 Pranathi 21 80000 Programmer 105

105 Meghana 42 65000 Manager 105