Miza Syafiqah Mohamad Shanudin

LAB 6

1. SELECT \* FROM emp where title = 'Programmer' OR salary BETWEEN 70000 and 80000

empid       fname                lname                title                          age         gender hiredate   salary                                  email                                                        did

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6           Fred                 Kruger               Programmer                     31          M      2005-09-12 75000.00                                fk@bignet.com                                                3

7           John                 MacFarland           Programmer                     34          M      2003-08-15 80000.00                                john@bignet.com                                              3

8           Edward               Sakamuro             Programmer                     25          M      2006-01-01 75000.00                                eddie@bignet.com                                             3

9           Alok                 Nanda                Programmer                     32          F      2004-11-23 70000.00                                alok@bignet.com                                              3

12          Arthur               Hoopla               Multimedia Programmer          32          M      2007-02-22 75000.00                                arthur@bignet.com                                            3

18          Hal                  Simlai               Marketing Executive            37          M      1999-02-03 70000.00                                hal@bignet.com                                               1

19          Joseph               Irvine               Marketing Executive            27          M      2001-11-12 72000.00                                joseph@bignet.com                                            1

20          Shahida              Ali                  Customer Service Manager       32          F      2002-11-11 70000.00                                shahida@bignet.com                                           1

(8 rows affected)

Completion time: 2021-11-07T13:34:29.2206048-05:00

1. SELECT \* FROM emp WHERE lname LIKE 'H%' OR lname LIKE 'B%' AND hiredate > '2003-09-01'

empid       fname                lname                title                          age         gender hiredate   salary                                  email                                                        did

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2           John                 Hagan                Senior Programmer              32          M      2005-01-02 120000.00                               john\_hagan@bignet.com                                        3

12          Arthur               Hoopla               Multimedia Programmer          32          M      2007-02-22 75000.00                                arthur@bignet.com                                            3

13          Kim                  Hunter               Senior Web Designer            32          F      2008-08-08 110000.00                               kim@bignet.com                                               3

16          Mike                 Harper               Senior Marketing Executive     36          M      2006-02-05 120000.00                               mike@bignet.com                                              1

(4 rows affected)

Completion time: 2021-11-07T17:17:11.0455632-05:00

1. UPDATE emp SET title = 'developer' WHERE title = 'programmer'

(4 rows affected)

Completion time: 2021-11-07T17:19:02.7339042-05:00

1. SELECT

MIN(salary) 'MIN SALARY',MAX(salary) 'MAX SALARY',AVG(salary) 'AVERAGE SALARY'

FROM emp

INNER JOIN dept ON emp.did = dept.deptid

WHERE dept.deptname = 'Marketing'

MIN SALARY                              MAX SALARY                              AVERAGE SALARY

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70000.00                                120000.00                               84400.000000

(1 row affected)

Completion time: 2021-11-07T17:20:49.4595235-05:00

1. CREATE TABLE emp\_dept

(

childid INT not null,

name VARCHAR(20) NOT NULL,

relationship VARCHAR(30),

address VARCHAR(60),

birth\_date DATE,

empid INT not null,

PRIMARY KEY(childid),

 FOREIGN KEY(empid) REFERENCES emp(empid)

);

INSERT INTO emp\_dept (childid, name, relationship, address,birth\_date, empid)

values (1, 'Fahimah','child', '202, Holder Street', '10-27-2000', 1);

INSERT INTO emp\_dept (childid, name, relationship, address,birth\_date, empid)

values (2, 'Tasha' , 'child','1232 Marker Hotel Road', '5-20-2000',2);

INSERT INTO emp\_dept (childid, name, relationship, address,birth\_date, empid)

values (3, 'Marini', 'child', '90 Potter Avenue','1-21-2000',3) ;

INSERT INTO emp\_dept (childid, name, relationship, address,birth\_date, empid)

values (4, 'Anis','spouse','202, Holder Street', '10-24-1989',4);

INSERT INTO emp\_dept (childid, name, relationship, address,birth\_date, empid)

values (5, 'jannah', 'spouse','Apartment #8, Fuhrer Building, Cobb Street','1-1-1988',5);

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

(1 row affected)

Completion time: 2021-11-07T18:02:31.9080295-05:00

1. SELECT name, emp\_dept.birth\_date, emp.fname, emp.lname, emp.title FROM emp\_dept, emp WHERE relationship = 'child' AND emp\_dept.empid = emp.empid

name                 birth\_date fname                lname                title

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Fahimah              2000-10-27 Manish               Sharma               CFO

Tasha                2000-05-20 John                 Hagan                Senior Programmer

Marini               2000-01-21 Ganesh               Pillai               Senior Programmer

(3 rows affected)

Completion time: 2021-11-07T21:43:21.9593912-05:00

1. SELECT emp.empid, fname, lname, deptname, dept.deptid FROM emp JOIN dept ON emp.did=dept.deptid

empid       fname                lname                deptname                  deptid

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1           Manish               Sharma               Administration            2

2           John                 Hagan                Engineering               3

3           Ganesh               Pillai               Engineering               3

4           Anamika              Sharma               Engineering               3

5           Mary                 Anchor               Engineering               3

6           Fred                 Kruger               Engineering               3

7           John                 MacFarland           Engineering               3

8           Edward               Sakamuro             Engineering               3

9           Alok                 Nanda                Engineering               3

10          Hassan               Rajabi               Engineering               3

11          Paul                 Simon                Engineering               3

12          Arthur               Hoopla               Engineering               3

13          Kim                  Hunter               Engineering               3

14          Roger                Lewis                Engineering               3

15          Danny                Gibson               Engineering               3

16          Mike                 Harper               Marketing                 1

17          Monica               Sehgal               Marketing                 1

18          Hal                  Simlai               Marketing                 1

19          Joseph               Irvine               Marketing                 1

20          Shahida              Ali                  Marketing                 1

21          Peter                Champion             Administration            2

(21 rows affected)

Completion time: 2021-11-07T21:51:16.8043357-05:00

1. SELECT empid,fname,lname,did,deptname,hiredate FROM emp,dept WHERE emp.did=dept.deptid and hiredate > '01-JAN-07'

empid       fname                lname                did         deptname                  hiredate

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5           Mary                 Anchor               3           Engineering               2007-12-15

10          Hassan               Rajabi               3           Engineering               2007-10-10

12          Arthur               Hoopla               3           Engineering               2007-02-22

13          Kim                  Hunter               3           Engineering               2008-08-08

14          Roger                Lewis                3           Engineering               2007-02-01

15          Danny                Gibson               3           Engineering               2007-02-14

(6 rows affected)

Completion time: 2021-11-07T18:07:53.8987770-05:00

1. SELECT emp.empid, fname, lname, m\_status, emp\_dept.name FROM emp JOIN emp\_per ON emp.empid = emp\_per.empid JOIN emp\_dept ON emp\_per.empid = emp\_dept.empid WHERE m\_status = 'Y' AND relationship = 'spouse'

empid       fname                lname                m\_status name

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4           Anamika              Sharma               Y        Anis

(1 row affected)

Completion time: 2021-11-07T22:01:48.0540912-05:00

1. SELECT emp.empid, fname, lname, dept.deptid,  dept.deptname, birth\_date, hiredate FROM emp JOIN dept ON emp.did=dept.deptid JOIN emp\_per ON emp.empid = emp\_per.empid WHERE gender = 'F'

empid       fname                lname                deptid      deptname                  birth\_date hiredate

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4           Anamika              Sharma               3           Engineering               1972-08-09 2006-09-15

5           Mary                 Anchor               3           Engineering               1974-09-13 2007-12-15

(2 rows affected)

Completion time: 2021-11-07T22:09:46.2032876-05:00

1. SELECT empid, fname, lname, DATEDIFF(year, hiredate, '2021/11/07') AS age FROM emp

empid       fname                lname                age

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1           Manish               Sharma               16

2           John                 Hagan                16

3           Ganesh               Pillai               17

4           Anamika              Sharma               15

5           Mary                 Anchor               14

6           Fred                 Kruger               16

7           John                 MacFarland           18

8           Edward               Sakamuro             15

9           Alok                 Nanda                17

10          Hassan               Rajabi               14

11          Paul                 Simon                17

12          Arthur               Hoopla               14

13          Kim                  Hunter               13

14          Roger                Lewis                14

15          Danny                Gibson               14

16          Mike                 Harper               15

17          Monica               Sehgal               18

18          Hal                  Simlai               22

19          Joseph               Irvine               20

20          Shahida              Ali                  19

21          Peter                Champion             16

(21 rows affected)

Completion time: 2021-11-07T23:05:28.7382171-05:00

1. SELECT empid, lname, salary FROM emp WHERE salary > (select AVG(salary) from emp)

empid       lname                salary

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1           Sharma               120000.00

2           Hagan                120000.00

3           Pillai               110000.00

13          Hunter               110000.00

14          Lewis                100000.00

16          Harper               120000.00

21          Champion             120000.00

(7 rows affected)

Completion time: 2021-11-07T22:50:05.3712673-05:00

1. SELECT empid, lname, title, salary FROM emp,dept WHERE emp.did = dept.deptid AND deptname = 'Engineering' AND salary = (select min(salary) from emp)

empid       lname                title                          salary

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9           Nanda                developer                      70000.00

(1 row affected)

Completion time: 2021-11-07T22:58:18.1162433-05:00

1. SELECT emp.empid,fname,lname,m\_status,s\_name FROM emp,emp\_per WHERE emp.empid=emp\_per.empid and m\_status like 'Y'

empid       fname                lname                m\_status s\_name

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1           Manish               Sharma               Y        Anamika Sharma

2           John                 Hagan                Y        Jane Donner

3           Ganesh               Pillai               Y        Sandhya Pillai

4           Anamika              Sharma               Y        Manish Sharma

7           John                 MacFarland           Y        Mary Shelly

(5 rows affected)

Completion time: 2021-11-07T18:09:58.4700302-05:00

14. SELECT empid,lname FROM emp,dept WHERE emp.did=dept.deptid AND deptname IN ('Marketing','Administration')

empid       lname

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1           Sharma

16          Harper

17          Sehgal

18          Simlai

19          Irvine

20          Ali

21          Champion

(7 rows affected)

Completion time: 2021-11-07T18:12:32.2396591-05:00