348 Lab 12 (SQL)

Saturday, November 15, 2025   6:09 PM

Task 1

```
MariaDB [348f25_l633c023]> select StdFirstName, StdLastName, StdCity, StdGPA from Student where StdGPA > 3.7;
+--------------+-------------+----------+---------+
| StdFirstName | StdLastName | StdCity  | StdGPA  |
+--------------+-------------+----------+---------+
| CRISTOPHER   | COLAN       | SEATTLE  |  4.00   |
| WILLIAM      | PILGRIM     | BOTHELL  |  3.80   |
+--------------+-------------+----------+---------+
```

Task2

```
MariaDB [348f25_l633c023]> select StdFirstName, StdLastName, StdGPA from Student order by StdGPA DESC;
+--------------+-------------+--------+
| StdFirstName | StdLastName | StdGPA |
+--------------+-------------+--------+
| CRISTOPHER   | COLAN       |  4.00  |
| WILLIAM      | PILGRIM     |  3.80  |
| MARIAH       | DODGE       |  3.60  |
| CANDY        | KENDALL     |  3.50  |
| TESS         | DODGE       |  3.30  |
| JOE          | ESTRADA     |  3.20  |
| HOMER        | WELLS       |  3.00  |
| WALLY        | KENDALL     |  2.80  |
| BOB          | NORBERT     |  2.70  |
| ROBERTO      | MORALES     |  2.50  |
| LUKE         | BRAZZI      |  2.20  |
+--------------+-------------+--------+
```

Task 3

```
MariaDB [348f25_l633c023]> select * from Offering where CourseNO like 'IS4%';
+---------+----------+---------+---------+------------+----------+-------------+---------+
| OfferNo | CourseNo | OffTerm | OffYear | OffLocation| OffTime  | FacNo       | OffDays |
+---------+----------+---------+---------+------------+----------+-------------+---------+
|    2222 | IS460    | SUMMER  |    2019 | BLM412     | 13:30:00 | NULL        | TTH     |
|    5678 | IS480    | WINTER  |    2020 | BLM302     | 10:30:00 | 987-65-4321 | MW      |
|    5679 | IS480    | SPRING  |    2020 | BLM412     | 15:30:00 | 876-54-3210 | TTH     |
|    9876 | IS460    | SPRING  |    2020 | BLM307     | 13:30:00 | 654-32-1098 | TTH     |
+---------+----------+---------+---------+------------+----------+-------------+---------+
```

Task 4

```
MariaDB [348f25_l633c023]> select OfferNo from Offering where FacNo is null and OffTerm = 'SUMMER';
+---------+
| OfferNo |
+---------+
|    1111 |
|    2222 |
+---------+
```

Task 5

```
MariaDB [348f25_l633c023]> select o.OfferNo, o.CourseNo, f.FacFirstName, f.FacLastName from
Offering as o join Faculty as f on o.FacNo = f.FacNo where o.OffTerm = 'SPRING' and f.FacRank = 'ASST';
+---------+----------+--------------+-------------+
| OfferNo | CourseNo | FacFirstName | FacLastName |
+---------+----------+--------------+-------------+
|    3333 | IS320    | LEONARD      | VINCE       |
|    5679 | IS480    | CRISTOPHER   | COLAN       |
+---------+----------+--------------+-------------+
```

Task 6

```
MariaDB [348f25_l633c023]> select distinct FacNo from Offering;
+-------------+
| FacNo       |
+-------------+
| NULL        |
| 098-76-5432 |
| 543-21-0987 |
| 765-43-2109 |
| 987-65-4321 |
| 876-54-3210 |
| 654-32-1098 |
+-------------+
```

Task 7

```
MariaDB [348f25_l633c023]> select StdFirstName as FirstName from Student where StdCity = 'BOTHELL' union select FacFirstName as Firstname from Faculty where FacCity ='BELLEVUE';
+-----------+
| FirstName |
+-----------+
| BOB       |
| WILLIAM   |
| NICKI     |
+-----------+
```

Task 8

```
MariaDB [348f25_l633c023]> insert into Student (StdMajor, StdClass, StdFirstName, StdLastName, StdCity, StdState, StdZip, StdNo, StdGPA) values ('FIN', 'FR', 'John','Doe','Lawrence','KS
','66045','999-99-9999',4.0);
Query OK, 1 row affected (0.009 sec)

MariaDB [348f25_l633c023]> select * from Student;

+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
| StdNo       | StdFirstName | StdLastName | StdCity  | StdState | StdZip     | StdMajor | StdClass | StdGPA |
+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
| 123-45-6789 | HOMER        | WELLS       | SEATTLE  | WA       | 98121-1111 | IS       | FR       | 3.00   |
| 124-56-7890 | BOB          | NORBERT     | BOTHELL  | WA       | 98011-2121 | FIN      | JR       | 2.70   |
| 234-56-7890 | CANDY        | KENDALL     | TACOMA   | WA       | 99042-3321 | ACCT     | JR       | 3.50   |
| 345-67-8901 | WALLY        | KENDALL     | SEATTLE  | WA       | 98123-1141 | IS       | SR       | 2.80   |
| 456-78-9012 | JOE          | ESTRADA     | SEATTLE  | WA       | 98121-2333 | FIN      | SR       | 3.20   |
| 567-89-0123 | MARIAH       | DODGE       | SEATTLE  | WA       | 98114-0021 | IS       | JR       | 3.60   |
| 678-90-1234 | TESS         | DODGE       | REDMOND  | WA       | 98116-2344 | ACCT     | SO       | 3.30   |
| 789-01-2345 | ROBERTO      | MORALES     | SEATTLE  | WA       | 98121-2212 | FIN      | JR       | 2.50   |
| 876-54-3210 | CRISTOPHER   | COLAN       | SEATTLE  | WA       | 98114-1332 | IS       | SR       | 4.00   |
| 890-12-3456 | LUKE         | BRAZZI      | SEATTLE  | WA       | 98116-0021 | IS       | SR       | 2.20   |
| 901-23-4567 | WILLIAM      | PILGRIM     | BOTHELL  | WA       | 98113-1885 | IS       | SO       | 3.80   |
| 999-99-9999 | John         | Doe         | Lawrence | KS       | 66045      | FIN      | FR       | 4.00   |
+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
12 rows in set (0.000 sec)
```

Task 9

```
+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
| StdNo       | StdFirstName | StdLastName | StdCity  | StdState | StdZip     | StdMajor | StdClass | StdGPA |
+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
| 123-45-6789 | HOMER        | WELLS       | SEATTLE  | WA       | 98121-1111 | IS       | FR       | 3.00   |
| 124-56-7890 | BOB          | NORBERT     | BOTHELL  | WA       | 98011-2121 | FIN      | JR       | 2.70   |
| 234-56-7890 | CANDY        | KENDALL     | TACOMA   | WA       | 99042-3321 | ACCT     | JR       | 3.50   |
| 345-67-8901 | WALLY        | KENDALL     | SEATTLE  | WA       | 98123-1141 | IS       | SR       | 2.80   |
| 456-78-9012 | JOE          | ESTRADA     | SEATTLE  | WA       | 98121-2333 | FIN      | SR       | 3.20   |
| 567-89-0123 | MARIAH       | DODGE       | SEATTLE  | WA       | 98114-0021 | IS       | JR       | 3.60   |
| 678-90-1234 | TESS         | DODGE       | REDMOND  | WA       | 98116-2344 | ACCT     | SO       | 3.30   |
| 789-01-2345 | ROBERTO      | MORALES     | SEATTLE  | WA       | 98121-2212 | FIN      | JR       | 2.50   |
| 876-54-3210 | CRISTOPHER   | COLAN       | SEATTLE  | WA       | 98114-1332 | IS       | SR       | 4.00   |
| 890-12-3456 | LUKE         | BRAZZI      | SEATTLE  | WA       | 98116-0021 | IS       | SR       | 2.20   |
| 901-23-4567 | WILLIAM      | PILGRIM     | BOTHELL  | WA       | 98113-1885 | IS       | SO       | 3.80   |
| 999-99-9999 | John         | Doe         | Lawrence | KS       | 66045      | FIN      | FR       | 4.00   |
+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
12 rows in set (0.000 sec)

MariaDB [348f25_l633c023]> update Student set StdMajor = 'ACCT' where StdFirstName = 'HOMER' and StdLastName = 'WELLS';
Query OK, 1 row affected (0.009 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [348f25_l633c023]> select * from Student;

+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
| StdNo       | StdFirstName | StdLastName | StdCity  | StdState | StdZip     | StdMajor | StdClass | StdGPA |
+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
| 123-45-6789 | HOMER        | WELLS       | SEATTLE  | WA       | 98121-1111 | ACCT     | FR       | 3.00   |
| 124-56-7890 | BOB          | NORBERT     | BOTHELL  | WA       | 98011-2121 | FIN      | JR       | 2.70   |
| 234-56-7890 | CANDY        | KENDALL     | TACOMA   | WA       | 99042-3321 | ACCT     | JR       | 3.50   |
| 345-67-8901 | WALLY        | KENDALL     | SEATTLE  | WA       | 98123-1141 | IS       | SR       | 2.80   |
| 456-78-9012 | JOE          | ESTRADA     | SEATTLE  | WA       | 98121-2333 | FIN      | SR       | 3.20   |
| 567-89-0123 | MARIAH       | DODGE       | SEATTLE  | WA       | 98114-0021 | IS       | JR       | 3.60   |
| 678-90-1234 | TESS         | DODGE       | REDMOND  | WA       | 98116-2344 | ACCT     | SO       | 3.30   |
| 789-01-2345 | ROBERTO      | MORALES     | SEATTLE  | WA       | 98121-2212 | FIN      | JR       | 2.50   |
| 876-54-3210 | CRISTOPHER   | COLAN       | SEATTLE  | WA       | 98114-1332 | IS       | SR       | 4.00   |
| 890-12-3456 | LUKE         | BRAZZI      | SEATTLE  | WA       | 98116-0021 | IS       | SR       | 2.20   |
| 901-23-4567 | WILLIAM      | PILGRIM     | BOTHELL  | WA       | 98113-1885 | IS       | SO       | 3.80   |
| 999-99-9999 | John         | Doe         | Lawrence | KS       | 66045      | FIN      | FR       | 4.00   |
+-------------+--------------+-------------+----------+----------+------------+----------+----------+--------+
```

Task 10

```
MariaDB [348f25_l633c023]> SELECT S.StdFirstName AS FirstName, S.StdLastName AS LastName, S.StdNo, S.StdCity, S.StdState, S.StdZip, S.StdMajor, S.StdClass, S.StdGPA, F.FacNo, F.FacCity, F.FacState, F.FacZipCode, F.FacDept, F.FacRank, F.Fa
cSalary, F.FacSupervisor, F.FacHireDate FROM Student S JOIN Faculty F ON S.StdFirstName = F.FacFirstName AND S.StdLastName = F.FacLastName;

+------------+----------+-------------+---------+----------+------------+----------+----------+--------+-------------+---------+----------+------------+---------+---------+----------+--------------+-------------+
| FirstName  | LastName | StdNo       | StdCity | StdState | StdZip     | StdMajor | StdClass | StdGPA | FacNo       | FacCity | FacState | FacZipCode | FacDept | FacRank | FacSalary | FacSupervisor | FacHireDate |
+------------+----------+-------------+---------+----------+------------+----------+----------+--------+-------------+---------+----------+------------+---------+---------+----------+--------------+-------------+
| CRISTOPHER | COLAN    | 876-54-3210 | SEATTLE | WA       | 98114-1332 | IS       | SR       | 4.00   | 876-54-3210 | SEATTLE | WA       | 98114-1332 | MS      | ASST    | 40000.00  | 654-32-1098  | 2011-03-01  |
+------------+----------+-------------+---------+----------+------------+----------+----------+--------+-------------+---------+----------+------------+---------+---------+----------+--------------+-------------+
```