

1.

```
SELECT StdFirstName, StdLastName, StdCity, StdGPA
FROM Student
WHERE StdGPA > 3.7;
```

```
MariaDB [348f24_a114s239]> 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    |
+-----+-----+-----+-----+
2 rows in set (0.001 sec)

MariaDB [348f24_a114s239]> 
```

2.

```
SELECT StdFirstName, StdLastName, StdGPA
FROM Student
ORDER BY StdGPA DESC;
```

```
MariaDB [348f24_a114s239]> 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   |

```
11 rows in set (0.001 sec)
```

```
MariaDB [348f24_a114s239]> █
```

3.

```
SELECT *  
FROM course  
WHERE CourseNo LIKE 'IS4%';
```

```
MariaDB [348f24_a114s239]> SELECT * FROM course WHERE CourseNo LIKE 'IS4%';
```

| CourseNo | CrsDesc                             | CrsUnits |
|----------|-------------------------------------|----------|
| IS460    | SYSTEMS ANALYSIS                    | 4        |
| IS470    | BUSINESS DATA COMMUNICATIONS        | 4        |
| IS480    | FUNDAMENTALS OF DATABASE MANAGEMENT | 4        |

```
3 rows in set (0.001 sec)
```

```
MariaDB [348f24_a114s239]>
```

4.

```
SELECT OfferNo, CourseNo  
FROM Offering  
WHERE FacNo IS NULL AND OffTerm = 'SUMMER';
```

```
MariaDB [348f24_a114s239]> SELECT OfferNo, CourseNo FROM Offering WHERE FacNo IS NULL AND OffTerm = 'SUMMER';  
+-----+-----+  
| OfferNo | CourseNo |  
+-----+-----+  
|      1111 | IS320    |  
|      2222 | IS460    |  
+-----+-----+  
2 rows in set (0.001 sec)  
  
MariaDB [348f24_a114s239]> 
```

5.

```
SELECT Offering.OfferNo, Offering.CourseNo, Faculty.FacFirstName, Faculty.FacLastName
FROM Offering
JOIN Faculty ON Offering.FacNo = Faculty.FacNo
WHERE Offering.OffTerm = 'SPRING' AND Faculty.FacRank = 'ASST';
```

```
MariaDB [348f24_a114s239]> SELECT Offering.OfferNo, Offering.CourseNo, Faculty.FacFirstName, Faculty.FacLastName
-> FROM Offering
-> JOIN Faculty ON Offering.FacNo = Faculty.FacNo
-> WHERE Offering.OffTerm = 'SPRING' AND Faculty.FacRank = 'ASST';
```

| OfferNo | CourseNo | FacFirstName | FacLastName |
|---------|----------|--------------|-------------|
| 3333    | IS320    | LEONARD      | VINCE       |
| 5679    | IS480    | CRISTOPHER   | COLAN       |

2 rows in set (0.001 sec)

```
MariaDB [348f24_a114s239]> 
```

6.

```
SELECT DISTINCT FacNo  
FROM Offering;
```

```
MariaDB [348f24_a114s239]> 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 |  
+-----+
```

```
7 rows in set (0.001 sec)
```

```
MariaDB [348f24_a114s239]> |
```

7.

```
SELECT StdFirstName AS FirstName
FROM Student
WHERE StdCity = 'Bothell'
UNION
SELECT FacFirstName AS FirstName
FROM Faculty
WHERE FacCity = 'Bellevue';
```

```
MariaDB [348f24_a114s239]> SELECT StdFirstName AS FirstName
-> FROM Student
-> WHERE StdCity = 'Bothell'
-> UNION
-> SELECT FacFirstName AS FirstName
-> FROM Faculty
-> WHERE FacCity = 'Bellevue';
```

```
+-----+
| FirstName |
+-----+
| BOB       |
| WILLIAM   |
| NICKI     |
+-----+
```

```
3 rows in set (0.001 sec)
```

```
MariaDB [348f24_a114s239]> █
```

8.

```
INSERT INTO Student (StdNo, StdFirstName, StdLastName, StdCity, StdState, StdZip, StdMajor, StdClass, StdGPA)
VALUES ('999-99-9999', 'JOHN', 'DOE', 'LAWRENCE', 'KS', '66045', 'FIN', 'FR', 4.0);
```

```
MariaDB [348f24_a114s239]> INSERT INTO Student (StdNo, StdFirstName, StdLastName, StdCity, StdState, StdZip, StdMajor, StdClass, StdGPA)
-> VALUES ('999-99-9999', 'JOHN', 'DOE', 'LAWRENCE', 'KS', '66045', 'FIN', 'FR', 4.0);
Query OK, 1 row affected (0.001 sec)

MariaDB [348f24_a114s239]> 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 (0.001 sec)

MariaDB [348f24_a114s239]> █
```



9.

```
UPDATE Student
SET StdMajor = 'ACCT'
WHERE StdFirstName = 'HOMER' AND StdLastName = 'WELLS';
```

```
MariaDB [348f24_a114s239]> UPDATE Student
-> SET StdMajor = 'ACCT'
-> WHERE StdFirstName = 'HOMER' AND StdLastName = 'WELLS';
Query OK, 1 row affected (0.001 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
MariaDB [348f24_a114s239]> 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   |

```
12 rows in set (0.001 sec)
```

10.

```
SELECT Student.*
FROM Student
JOIN Faculty ON Student.StdNo = Faculty.FacNo;
```

```
MariaDB [348f24_a114s239]> SELECT Student.*
-> FROM Student
-> JOIN Faculty ON Student.StdNo = Faculty.FacNo;

+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| StdNo      | StdFirstName | StdLastName | StdCity | StdState | StdZip      | StdMajor | StdClass | StdGPA |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 876-54-3210 | CRISTOPHER  | COLAN       | SEATTLE | WA       | 98114-1332  | IS       | SR       | 4.00   |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+

1 row in set (0.001 sec)

MariaDB [348f24_a114s239]> █
```