Assignment

DBT/006

Database Technologies

Diploma in Advance Computing

**String, Date, Math functions, and Date formats.**

USE ***student\_phone, student\_address, faculty\_phone, faculty\_address, batch\_students, course\_batches, student\_qualifications, faculty\_qualifications, course\_modules, modules, faculty, student, course, student\_cards, and student\_order*** relation to solve the following queries.

|  |
| --- |
| * Get student *namefirst* with how many characters are there in their *namefirst*. |
| mysql> select firstname, length(firstname)R1 from student;  +-----------+------+  | firstname | R1 |  +-----------+------+  | saleel | 6 |  | omkar | 5 |  | ulka | 4 |  | rahul | 5 |  | ruhan | 5 |  | lala | 4 |  | sharmin | 7 |  | vrushali | 8 |  | vasant | 6 |  | nitish | 6 |  | neel | 4 |  | deep | 4 |  | nrupali | 7 |  | supriya | 7 |  | bandish | 7 |  | sangita | 7 |  | sangita | 7 |  | rahul | 5 |  | bhavin | 6 |  | kaushal | 7 |  | pankaj | 6 |  | rajan | 5 |  | bhavin | 6 |  | mukesh | 6 |  | dilu | 4 |  | sonam | 5 |  | rohit | 5 |  | raj | 3 |  +-----------+------+  28 rows in set (0.00 sec) |
|  |
| * Get student details whose *namefirst* is having 4 characters only. |
| mysql> select \* from student where length(name)=4;  ERROR 1054 (42S22): Unknown column 'name' in 'where clause'  mysql> select \* from student where length(firstname)=4;  +----+-----------+----------+------------+-----------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+-----------------------+  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com |  | 12 | deep | save | 1986-11-30 | deep.save@gmail.com |  | 25 | dilu | khande | 1982-07-30 | dilu.khande@gmail.com |  +----+-----------+----------+------------+-----------------------+  5 rows in set (0.00 sec) |
|  |
| * Get the ASCII value of the 3rd character of *namefirst* column. |
| mysql> select ascii(substring(firstname, 3,1))R1 from student;  +------+  | R1 |  +------+  | 108 |  | 107 |  | 107 |  | 104 |  | 104 |  | 108 |  | 97 |  | 117 |  | 115 |  | 116 |  | 101 |  | 101 |  | 117 |  | 112 |  | 110 |  | 110 |  | 110 |  | 104 |  | 97 |  | 117 |  | 110 |  | 106 |  | 97 |  | 107 |  | 108 |  | 110 |  | 104 |  | 106 |  +------+  28 rows in set (0.00 sec) |
|  |
| * Get *namefirst* and *namelast* in lowercase. |
| mysql> select firstname,lower(firstname)R1, lastname,lower(lastname)R2 from student;  +-----------+----------+----------+---------+  | firstname | R1 | lastname | R2 |  +-----------+----------+----------+---------+  | saleel | saleel | bagde | bagde |  | omkar | omkar | rokde | rokde |  | ulka | ulka | joshi | joshi |  | rahul | rahul | patil | patil |  | ruhan | ruhan | bagde | bagde |  | lala | lala | prasad | prasad |  | sharmin | sharmin | bagde | bagde |  | vrushali | vrushali | bagde | bagde |  | vasant | vasant | khande | khande |  | nitish | nitish | patil | patil |  | neel | neel | save | save |  | deep | deep | save | save |  | nrupali | nrupali | save | save |  | supriya | supriya | karnik | karnik |  | bandish | bandish | karnik | karnik |  | sangita | sangita | karnik | karnik |  | sangita | sangita | menon | menon |  | rahul | rahul | shah | shah |  | bhavin | bhavin | patel | patel |  | kaushal | kaushal | patil | patil |  | pankaj | pankaj | gandhi | gandhi |  | rajan | rajan | patel | patel |  | bhavin | bhavin | patel | patel |  | mukesh | mukesh | bhavsar | bhavsar |  | dilu | dilu | khande | khande |  | sonam | sonam | khan | khan |  | rohit | rohit | patil | patil |  | raj | raj | bubber | bubber |  +-----------+----------+----------+---------+  28 rows in set (0.00 sec)  mysql> select firstname,upper(firstname)R1, lastname,upper(lastname)R2 from student;  +-----------+----------+----------+---------+  | firstname | R1 | lastname | R2 |  +-----------+----------+----------+---------+  | saleel | SALEEL | bagde | BAGDE |  | omkar | OMKAR | rokde | ROKDE |  | ulka | ULKA | joshi | JOSHI |  | rahul | RAHUL | patil | PATIL |  | ruhan | RUHAN | bagde | BAGDE |  | lala | LALA | prasad | PRASAD |  | sharmin | SHARMIN | bagde | BAGDE |  | vrushali | VRUSHALI | bagde | BAGDE |  | vasant | VASANT | khande | KHANDE |  | nitish | NITISH | patil | PATIL |  | neel | NEEL | save | SAVE |  | deep | DEEP | save | SAVE |  | nrupali | NRUPALI | save | SAVE |  | supriya | SUPRIYA | karnik | KARNIK |  | bandish | BANDISH | karnik | KARNIK |  | sangita | SANGITA | karnik | KARNIK |  | sangita | SANGITA | menon | MENON |  | rahul | RAHUL | shah | SHAH |  | bhavin | BHAVIN | patel | PATEL |  | kaushal | KAUSHAL | patil | PATIL |  | pankaj | PANKAJ | gandhi | GANDHI |  | rajan | RAJAN | patel | PATEL |  | bhavin | BHAVIN | patel | PATEL |  | mukesh | MUKESH | bhavsar | BHAVSAR |  | dilu | DILU | khande | KHANDE |  | sonam | SONAM | khan | KHAN |  | rohit | ROHIT | patil | PATIL |  | raj | RAJ | bubber | BUBBER |  +-----------+----------+----------+---------+  28 rows in set (0.00 sec) |
|  |
| * Get (namefirst, namelast, and emailID) all 7 letter emailID. |
| mysql> select firstname, lastname,emailid,substring(emailid, 1,7) from student;  +-----------+----------+--------------------------+-------------------------+  | firstname | lastname | emailid | substring(emailid, 1,7) |  +-----------+----------+--------------------------+-------------------------+  | saleel | bagde | saleel.bagde@gmail.com | saleel. |  | omkar | rokde | omkar.rakde@gmail.com | omkar.r |  | ulka | joshi | ulka.joshi@gmail.com | ulka.jo |  | rahul | patil | rahul.patil@gmail.com | rahul.p |  | ruhan | bagde | ruhan.bagde@gmail.com | ruhan.b |  | lala | prasad | lala.prasad@gmail.com | lala.pr |  | sharmin | bagde | sharmin.bagde@gmail.com | sharmin |  | vrushali | bagde | vrushali.bagde@gmail.com | vrushal |  | vasant | khande | vasant.khande@gmail.com | vasant. |  | nitish | patil | nitish.patil@gmail.com | nitish. |  | neel | save | neel.save@gmail.com | neel.sa |  | deep | save | deep.save@gmail.com | deep.sa |  | nrupali | save | nrupali.save@gmail.com | nrupali |  | supriya | karnik | supriya.karnik@gmail.com | supriya |  | bandish | karnik | bandish.karnik@gmail.com | bandish |  | sangita | karnik | sangita.karnik@gmail.com | sangita |  | sangita | menon | sangita.menon@gmail.com | sangita |  | rahul | shah | rahul.shah@gmail.com | rahul.s |  | bhavin | patel | bhavin.patel@gmail.com | bhavin. |  | kaushal | patil | kaushal.patil@gmail.com | kaushal |  | pankaj | gandhi | pankaj.gandhi@gmail.com | pankaj. |  | rajan | patel | rajan.patel@gmail.com | rajan.p |  | bhavin | patel | bhavin.patel@gmail.com | bhavin. |  | mukesh | bhavsar | mukesh.bhavsar@gmail.com | mukesh. |  | dilu | khande | dilu.khande@gmail.com | dilu.kh |  | sonam | khan | sonam.khan@gmail.com | sonam.k |  | rohit | patil | rohit.patil@gmail.com | rohit.p |  | raj | bubber | raj.bubber@gmail.com | raj.bub |  +-----------+----------+--------------------------+-------------------------+  28 rows in set (0.00 sec) |
|  |
| * Get*(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| mysql> select firstname, lastname,substring(firstname, 1,3)R1 from student;  +-----------+----------+------+  | firstname | lastname | R1 |  +-----------+----------+------+  | saleel | bagde | sal |  | omkar | rokde | omk |  | ulka | joshi | ulk |  | rahul | patil | rah |  | ruhan | bagde | ruh |  | lala | prasad | lal |  | sharmin | bagde | sha |  | vrushali | bagde | vru |  | vasant | khande | vas |  | nitish | patil | nit |  | neel | save | nee |  | deep | save | dee |  | nrupali | save | nru |  | supriya | karnik | sup |  | bandish | karnik | ban |  | sangita | karnik | san |  | sangita | menon | san |  | rahul | shah | rah |  | bhavin | patel | bha |  | kaushal | patil | kau |  | pankaj | gandhi | pan |  | rajan | patel | raj |  | bhavin | patel | bha |  | mukesh | bhavsar | muk |  | dilu | khande | dil |  | sonam | khan | son |  | rohit | patil | roh |  | raj | bubber | raj |  +-----------+----------+------+  28 rows in set (0.00 sec) |
|  |
| * Get*(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| mysql> select firstname, lastname,substring(firstname, length(firstname)-2,3)R1 from student;  +-----------+----------+------+  | firstname | lastname | R1 |  +-----------+----------+------+  | saleel | bagde | eel |  | omkar | rokde | kar |  | ulka | joshi | lka |  | rahul | patil | hul |  | ruhan | bagde | han |  | lala | prasad | ala |  | sharmin | bagde | min |  | vrushali | bagde | ali |  | vasant | khande | ant |  | nitish | patil | ish |  | neel | save | eel |  | deep | save | eep |  | nrupali | save | ali |  | supriya | karnik | iya |  | bandish | karnik | ish |  | sangita | karnik | ita |  | sangita | menon | ita |  | rahul | shah | hul |  | bhavin | patel | vin |  | kaushal | patil | hal |  | pankaj | gandhi | kaj |  | rajan | patel | jan |  | bhavin | patel | vin |  | mukesh | bhavsar | esh |  | dilu | khande | ilu |  | sonam | khan | nam |  | rohit | patil | hit |  | raj | bubber | raj |  +-----------+----------+------+  28 rows in set (0.00 sec) |
|  |
| * Get all student*(phone number)* whose *phone number* starts with 70. |
| mysql> select \* from student\_phone where number like '70%';  +----+-----------+------------+----------+  | ID | studentID | number | isActive |  +----+-----------+------------+----------+  | 1 | 1 | 7032300034 | 1 |  | 2 | 2 | 7032300039 | 1 |  | 3 | 3 | 7032300050 | 1 |  | 4 | 4 | 7032300027 | 1 |  | 5 | 5 | 7032300001 | 1 |  | 6 | 6 | 7032300079 | 1 |  | 7 | 7 | 7032300081 | 1 |  | 8 | 8 | 7032300054 | 1 |  | 9 | 9 | 7032300059 | 1 |  | 10 | 10 | 7032300086 | 1 |  | 11 | 11 | 7032300082 | 1 |  | 12 | 12 | 7032300042 | 1 |  | 13 | 13 | 7032300055 | 1 |  | 14 | 14 | 7032300013 | 1 |  | 15 | 15 | 7032300099 | 1 |  | 16 | 16 | 7032300023 | 1 |  | 17 | 17 | 7032300084 | 1 |  | 18 | 18 | 7032300011 | 1 |  | 19 | 19 | 7032300066 | 1 |  | 20 | 20 | 7032300096 | 1 |  | 25 | 5 | 7032300001 | 1 |  +----+-----------+------------+----------+  21 rows in set (0.00 sec) |
|  |
| * Get student details of first 5 students. |
| mysql> select \* from student limit 5;  +----+-----------+----------+------------+------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+------------------------+  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  +----+-----------+----------+------------+------------------------+  5 rows in set (0.00 sec) |
|  |
| * Get student details of last 5 students. |
| mysql> select \* from student order by Id desc limit 5;  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 28 | raj | bubber | 1982-02-28 | raj.bubber@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  | 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |  | 25 | dilu | khande | 1982-07-30 | dilu.khande@gmail.com |  | 24 | mukesh | bhavsar | 1982-07-30 | mukesh.bhavsar@gmail.com |  +----+-----------+----------+------------+--------------------------+  5 rows in set (0.00 sec) |
|  |
| * Get student details in ascending order of *namefirst*. |
| mysql> select \* from student order by firstname;  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | 23 | bhavin | patel | 1982-07-30 | bhavin.patel@gmail.com |  | 12 | deep | save | 1986-11-30 | deep.save@gmail.com |  | 25 | dilu | khande | 1982-07-30 | dilu.khande@gmail.com |  | 20 | kaushal | patil | 1982-07-30 | kaushal.patil@gmail.com |  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 24 | mukesh | bhavsar | 1982-07-30 | mukesh.bhavsar@gmail.com |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 21 | pankaj | gandhi | 1982-07-30 | pankaj.gandhi@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 18 | rahul | shah | 1982-06-12 | rahul.shah@gmail.com |  | 28 | raj | bubber | 1982-02-28 | raj.bubber@gmail.com |  | 22 | rajan | patel | 1982-07-30 | rajan.patel@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  +----+-----------+----------+------------+--------------------------+  28 rows in set (0.00 sec) |
|  |
| * Get student details in descending order of *namelast*. |
| mysql> select \* from student order by lastname desc;  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 18 | rahul | shah | 1982-06-12 | rahul.shah@gmail.com |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com |  | 12 | deep | save | 1986-11-30 | deep.save@gmail.com |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | 20 | kaushal | patil | 1982-07-30 | kaushal.patil@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | 22 | rajan | patel | 1982-07-30 | rajan.patel@gmail.com |  | 23 | bhavin | patel | 1982-07-30 | bhavin.patel@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | 25 | dilu | khande | 1982-07-30 | dilu.khande@gmail.com |  | 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 21 | pankaj | gandhi | 1982-07-30 | pankaj.gandhi@gmail.com |  | 28 | raj | bubber | 1982-02-28 | raj.bubber@gmail.com |  | 24 | mukesh | bhavsar | 1982-07-30 | mukesh.bhavsar@gmail.com |  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  +----+-----------+----------+------------+--------------------------+  28 rows in set (0.00 sec) |
|  |
| * Get *(student id, namefirst, namelast, dob, and emailID)* for all students whose length of email id is more than 20 characters. |
| mysql> select \* from student where length(emailid)>20;  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | 20 | kaushal | patil | 1982-07-30 | kaushal.patil@gmail.com |  | 21 | pankaj | gandhi | 1982-07-30 | pankaj.gandhi@gmail.com |  | 22 | rajan | patel | 1982-07-30 | rajan.patel@gmail.com |  | 23 | bhavin | patel | 1982-07-30 | bhavin.patel@gmail.com |  | 24 | mukesh | bhavsar | 1982-07-30 | mukesh.bhavsar@gmail.com |  | 25 | dilu | khande | 1982-07-30 | dilu.khande@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  +----+-----------+----------+------------+--------------------------+  22 rows in set (0.00 sec) |
|  |
| * Combine to display student *namefirst* and *namelast*. |
| mysql> select concat(firstname,' ',lastname)combined from student;  +----------------+  | combined |  +----------------+  | saleel bagde |  | omkar rokde |  | ulka joshi |  | rahul patil |  | ruhan bagde |  | lala prasad |  | sharmin bagde |  | vrushali bagde |  | vasant khande |  | nitish patil |  | neel save |  | deep save |  | nrupali save |  | supriya karnik |  | bandish karnik |  | sangita karnik |  | sangita menon |  | rahul shah |  | bhavin patel |  | kaushal patil |  | pankaj gandhi |  | rajan patel |  | bhavin patel |  | mukesh bhavsar |  | dilu khande |  | sonam khan |  | rohit patil |  | raj bubber |  +----------------+  28 rows in set (0.00 sec) |
|  |
| * Write a query to display the following output for all student. If (*namefirst*, *namelast or emailID)* is null then replace it with a blank space.   **eg. (BhoopaliNanadikar and emailID is bhoopali.nanadikar@gmail.com)** |
|  |
|  |
| * Get student *namefirst* and *namelast* in upper case. |
| mysql> show columns from students;  +---------+-------------+------+-----+---------+-------+  | Field | Type | Null | Key | Default | Extra |  +---------+-------------+------+-----+---------+-------+  | id | int | YES | | NULL | |  | name | varchar(30) | YES | | NULL | |  | emailid | varchar(40) | YES | | NULL | |  +---------+-------------+------+-----+---------+-------+  3 rows in set (0.00 sec)  mysql> select firstname, upper(firstname), lastname, upper(lastname)from student;  +-----------+------------------+----------+-----------------+  | firstname | upper(firstname) | lastname | upper(lastname) |  +-----------+------------------+----------+-----------------+  | saleel | SALEEL | bagde | BAGDE |  | omkar | OMKAR | rokde | ROKDE |  | ulka | ULKA | joshi | JOSHI |  | rahul | RAHUL | patil | PATIL |  | ruhan | RUHAN | bagde | BAGDE |  | lala | LALA | prasad | PRASAD |  | sharmin | SHARMIN | bagde | BAGDE |  | vrushali | VRUSHALI | bagde | BAGDE |  | vasant | VASANT | khande | KHANDE |  | nitish | NITISH | patil | PATIL |  | neel | NEEL | save | SAVE |  | deep | DEEP | save | SAVE |  | nrupali | NRUPALI | save | SAVE |  | supriya | SUPRIYA | karnik | KARNIK |  | bandish | BANDISH | karnik | KARNIK |  | sangita | SANGITA | karnik | KARNIK |  | sangita | SANGITA | menon | MENON |  | rahul | RAHUL | shah | SHAH |  | bhavin | BHAVIN | patel | PATEL |  | kaushal | KAUSHAL | patil | PATIL |  | pankaj | PANKAJ | gandhi | GANDHI |  | rajan | RAJAN | patel | PATEL |  | bhavin | BHAVIN | patel | PATEL |  | mukesh | MUKESH | bhavsar | BHAVSAR |  | dilu | DILU | khande | KHANDE |  | sonam | SONAM | khan | KHAN |  | rohit | ROHIT | patil | PATIL |  | raj | RAJ | bubber | BUBBER |  +-----------+------------------+----------+-----------------+  28 rows in set (0.00 sec) |
|  |
| * Get student firstname and *lastname* in lower case. |
| mysql> select firstname, lower(firstname)r1, lastname, lower(lastname)r2 from student;  +-----------+----------+----------+---------+  | firstname | r1 | lastname | r2 |  +-----------+----------+----------+---------+  | saleel | saleel | bagde | bagde |  | omkar | omkar | rokde | rokde |  | ulka | ulka | joshi | joshi |  | rahul | rahul | patil | patil |  | ruhan | ruhan | bagde | bagde |  | lala | lala | prasad | prasad |  | sharmin | sharmin | bagde | bagde |  | vrushali | vrushali | bagde | bagde |  | vasant | vasant | khande | khande |  | nitish | nitish | patil | patil |  | neel | neel | save | save |  | deep | deep | save | save |  | nrupali | nrupali | save | save |  | supriya | supriya | karnik | karnik |  | bandish | bandish | karnik | karnik |  | sangita | sangita | karnik | karnik |  | sangita | sangita | menon | menon |  | rahul | rahul | shah | shah |  | bhavin | bhavin | patel | patel |  | kaushal | kaushal | patil | patil |  | pankaj | pankaj | gandhi | gandhi |  | rajan | rajan | patel | patel |  | bhavin | bhavin | patel | patel |  | mukesh | mukesh | bhavsar | bhavsar |  | dilu | dilu | khande | khande |  | sonam | sonam | khan | khan |  | rohit | rohit | patil | patil |  | raj | raj | bubber | bubber |  +-----------+----------+----------+---------+  28 rows in set (0.00 sec) |
|  |
| * Get student *firstname* and *lastname* in reverse order. |
| mysql> select firstname, reverse(firstname)r1, lastname, reverse(lastname)r2 from student;  +-----------+----------+----------+---------+  | firstname | r1 | lastname | r2 |  +-----------+----------+----------+---------+  | saleel | leelas | bagde | edgab |  | omkar | rakmo | rokde | edkor |  | ulka | aklu | joshi | ihsoj |  | rahul | luhar | patil | litap |  | ruhan | nahur | bagde | edgab |  | lala | alal | prasad | dasarp |  | sharmin | nimrahs | bagde | edgab |  | vrushali | ilahsurv | bagde | edgab |  | vasant | tnasav | khande | ednahk |  | nitish | hsitin | patil | litap |  | neel | leen | save | evas |  | deep | peed | save | evas |  | nrupali | ilapurn | save | evas |  | supriya | ayirpus | karnik | kinrak |  | bandish | hsidnab | karnik | kinrak |  | sangita | atignas | karnik | kinrak |  | sangita | atignas | menon | nonem |  | rahul | luhar | shah | hahs |  | bhavin | nivahb | patel | letap |  | kaushal | lahsuak | patil | litap |  | pankaj | jaknap | gandhi | ihdnag |  | rajan | najar | patel | letap |  | bhavin | nivahb | patel | letap |  | mukesh | hsekum | bhavsar | rasvahb |  | dilu | ulid | khande | ednahk |  | sonam | manos | khan | nahk |  | rohit | tihor | patil | litap |  | raj | jar | bubber | rebbub |  +-----------+----------+----------+---------+  28 rows in set (0.00 sec) |
|  |
| * Get first 4 letters of student *namefirst*. |
| mysql> select firstname, substring(firstname,1,4)R1 from student;  +-----------+------+  | firstname | R1 |  +-----------+------+  | saleel | sale |  | omkar | omka |  | ulka | ulka |  | rahul | rahu |  | ruhan | ruha |  | lala | lala |  | sharmin | shar |  | vrushali | vrus |  | vasant | vasa |  | nitish | niti |  | neel | neel |  | deep | deep |  | nrupali | nrup |  | supriya | supr |  | bandish | band |  | sangita | sang |  | sangita | sang |  | rahul | rahu |  | bhavin | bhav |  | kaushal | kaus |  | pankaj | pank |  | rajan | raja |  | bhavin | bhav |  | mukesh | muke |  | dilu | dilu |  | sonam | sona |  | rohit | rohi |  | raj | raj |  +-----------+------+  28 rows in set (0.00 sec) |
|  |
| * Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| mysql> select firstname, substring(firstname,2,length(firstname)-2)R1 from student;  +-----------+--------+  | firstname | R1 |  +-----------+--------+  | saleel | alee |  | omkar | mka |  | ulka | lk |  | rahul | ahu |  | ruhan | uha |  | lala | al |  | sharmin | harmi |  | vrushali | rushal |  | vasant | asan |  | nitish | itis |  | neel | ee |  | deep | ee |  | nrupali | rupal |  | supriya | upriy |  | bandish | andis |  | sangita | angit |  | sangita | angit |  | rahul | ahu |  | bhavin | havi |  | kaushal | ausha |  | pankaj | anka |  | rajan | aja |  | bhavin | havi |  | mukesh | ukes |  | dilu | il |  | sonam | ona |  | rohit | ohi |  | raj | a |  +-----------+--------+  28 rows in set (0.00 sec) |
|  |
| * Get ASCII character of student *namefirst*. |
| mysql> select Ascii(firstname)R1 from student;  +------+  | R1 |  +------+  | 115 |  | 111 |  | 117 |  | 114 |  | 114 |  | 108 |  | 115 |  | 118 |  | 118 |  | 110 |  | 110 |  | 100 |  | 110 |  | 115 |  | 98 |  | 115 |  | 115 |  | 114 |  | 98 |  | 107 |  | 112 |  | 114 |  | 98 |  | 109 |  | 100 |  | 115 |  | 114 |  | 114 |  +------+  28 rows in set (0.00 sec) |
|  |
| * Get first 5 letter of the students’ *namefirst*. |
| mysql> select firstname, substring(firstname,1,5)R1 from student;  +-----------+-------+  | firstname | R1 |  +-----------+-------+  | saleel | salee |  | omkar | omkar |  | ulka | ulka |  | rahul | rahul |  | ruhan | ruhan |  | lala | lala |  | sharmin | sharm |  | vrushali | vrush |  | vasant | vasan |  | nitish | nitis |  | neel | neel |  | deep | deep |  | nrupali | nrupa |  | supriya | supri |  | bandish | bandi |  | sangita | sangi |  | sangita | sangi |  | rahul | rahul |  | bhavin | bhavi |  | kaushal | kaush |  | pankaj | panka |  | rajan | rajan |  | bhavin | bhavi |  | mukesh | mukes |  | dilu | dilu |  | sonam | sonam |  | rohit | rohit |  | raj | raj |  +-----------+-------+  28 rows in set (0.00 sec) |
|  |
| * Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| mysql> select number, rpad(number,16,'\*')R1 from student\_phone;  +------------+------------------+  | number | R1 |  +------------+------------------+  | 7032300034 | 7032300034\*\*\*\*\*\* |  | 7032300039 | 7032300039\*\*\*\*\*\* |  | 7032300050 | 7032300050\*\*\*\*\*\* |  | 7032300027 | 7032300027\*\*\*\*\*\* |  | 7032300001 | 7032300001\*\*\*\*\*\* |  | 7032300079 | 7032300079\*\*\*\*\*\* |  | 7032300081 | 7032300081\*\*\*\*\*\* |  | 7032300054 | 7032300054\*\*\*\*\*\* |  | 7032300059 | 7032300059\*\*\*\*\*\* |  | 7032300086 | 7032300086\*\*\*\*\*\* |  | 7032300082 | 7032300082\*\*\*\*\*\* |  | 7032300042 | 7032300042\*\*\*\*\*\* |  | 7032300055 | 7032300055\*\*\*\*\*\* |  | 7032300013 | 7032300013\*\*\*\*\*\* |  | 7032300099 | 7032300099\*\*\*\*\*\* |  | 7032300023 | 7032300023\*\*\*\*\*\* |  | 7032300084 | 7032300084\*\*\*\*\*\* |  | 7032300011 | 7032300011\*\*\*\*\*\* |  | 7032300066 | 7032300066\*\*\*\*\*\* |  | 7032300096 | 7032300096\*\*\*\*\*\* |  | 7132300034 | 7132300034\*\*\*\*\*\* |  | 7132300039 | 7132300039\*\*\*\*\*\* |  | 7132300050 | 7132300050\*\*\*\*\*\* |  | 7132300027 | 7132300027\*\*\*\*\*\* |  | 7032300001 | 7032300001\*\*\*\*\*\* |  | 7132300079 | 7132300079\*\*\*\*\*\* |  | 7132300081 | 7132300081\*\*\*\*\*\* |  | 7132300054 | 7132300054\*\*\*\*\*\* |  | 7132300059 | 7132300059\*\*\*\*\*\* |  | 7132300086 | 7132300086\*\*\*\*\*\* |  | 7132300082 | 7132300082\*\*\*\*\*\* |  | 7132300042 | 7132300042\*\*\*\*\*\* |  | 7132300055 | 7132300055\*\*\*\*\*\* |  | 7132300055 | 7132300055\*\*\*\*\*\* |  | 7132300055 | 7132300055\*\*\*\*\*\* |  | 7134567123 | 7134567123\*\*\*\*\*\* |  | 7156567123 | 7156567123\*\*\*\*\*\* |  | 7156567134 | 7156567134\*\*\*\*\*\* |  | 7156563423 | 7156563423\*\*\*\*\*\* |  | 7156567183 | 7156567183\*\*\*\*\*\* |  | 7146566412 | 7146566412\*\*\*\*\*\* |  +------------+------------------+  41 rows in set (0.00 sec) |
|  |
| * Get all students whose DOB is in the month of ‘October’. |
| mysql> select\* from student where month(dob)='10';  +----+-----------+----------+------------+-------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+-------------------------+  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  +----+-----------+----------+------------+-------------------------+  7 rows in set (0.00 sec) |
|  |
| * Get all students whose DOB is in the month of ‘January’ or ‘December’. |
| mysql> select\* from student where month(dob)='01'or month(dob)='12';  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  +----+-----------+----------+------------+--------------------------+  9 rows in set (0.00 sec) |
|  |
| * Get all faculty who were born on ‘Sunday’ |
| mysql> select\* from faculty;  +----+-----------+----------+------------+------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+------------------------+  | 1 | prachi | gupta | 1974-06-12 | prachi.gupta@gmail.com |  | 2 | ketan | shukla | 1972-10-25 | ketan.shukla@gmail.com |  | 3 | kiran | dev | 1971-10-25 | kiran.dev@gmail.com |  | 4 | parag | patil | 1972-10-31 | parag.patil@gmail.com |  +----+-----------+----------+------------+------------------------+  4 rows in set (0.03 sec)  mysql> select \* from faculty where dayname(dob)='sunday';  Empty set (0.00 sec) |
|  |
| * Print current date and time. |
| mysql> select current\_date as 'date', current\_time as 'time';  +------------+----------+  | date | time |  +------------+----------+  | 2025-04-01 | 18:49:38 |  +------------+----------+  1 row in set (0.00 sec) |
|  |
| * Extract month from the current date. |
| mysql> select month(current\_date);  +---------------------+  | month(current\_date) |  +---------------------+  | 4 |  +---------------------+  1 row in set (0.00 sec) |
|  |
| * Extract year from the current date. |
| mysql> select year(current\_date);  +--------------------+  | year(current\_date) |  +--------------------+  | 2025 |  +--------------------+ |
|  |
| * Get all students whose DOB is in the year 1984 in ascending order of *namefirst.* |
| mysql> select \* from student where year(dob)='1984' order by firstname;  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  +----+-----------+----------+------------+--------------------------+  3 rows in set (0.00 sec) |
|  |
| * Get all students whose DOB is in the 4 quarter of a year. |
| mysql> select \* from student where quarter(dob)=4;  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com |  | 12 | deep | save | 1986-11-30 | deep.save@gmail.com |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  +----+-----------+----------+------------+--------------------------+  17 rows in set (0.00 sec) |
|  |
| * Get all students whose DOB is in the 43rd week of a year. |
|  |
|  |
| * Get all students whose DOB is in between 10 and 19 day. |
| mysql> select \* from student where day(dob) between 10 and 19;  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 18 | rahul | shah | 1982-06-12 | rahul.shah@gmail.com |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |  +----+-----------+----------+------------+--------------------------+  7 rows in set (0.00 sec) |
|  |
| * Generate the random number between 1 to 100 |
| mysql> select round(rand()\*100)+1;  +---------------------+  | round(rand()\*100)+1 |  +---------------------+  | 86 |  +---------------------+  1 row in set (0.00 sec) |
|  |
| * Display the 5 character of namefirst column from student table. |
| mysql> select firstname, substring(firstname,1,5)r1 from student;  +-----------+-------+  | firstname | r1 |  +-----------+-------+  | saleel | salee |  | omkar | omkar |  | ulka | ulka |  | rahul | rahul |  | ruhan | ruhan |  | lala | lala |  | sharmin | sharm |  | vrushali | vrush |  | vasant | vasan |  | nitish | nitis |  | neel | neel |  | deep | deep |  | nrupali | nrupa |  | supriya | supri |  | bandish | bandi |  | sangita | sangi |  | sangita | sangi |  | rahul | rahul |  | bhavin | bhavi |  | kaushal | kaush |  | pankaj | panka |  | rajan | rajan |  | bhavin | bhavi |  | mukesh | mukes |  | dilu | dilu |  | sonam | sonam |  | rohit | rohit |  | raj | raj |  +-----------+-------+  28 rows in set (0.00 sec) |
|  |
| * Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form ‘Monday’, ‘Tuesday’…… |
|  |
|  |
| * Display all student who’s DOB comes in the 4th quarter of the year. |
| mysql> select \* from student where quarter(dob)='4';  +----+-----------+----------+------------+--------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com |  | 12 | deep | save | 1986-11-30 | deep.save@gmail.com |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  +----+-----------+----------+------------+--------------------------+  17 rows in set (0.00 sec) |
|  |
| * Display all students who were born on ‘Sunday’. |
| mysql> select \* from student where dayname(dob)='sunday';  +----+-----------+----------+------------+-------------------------+  | ID | firstname | lastname | DOB | emailID |  +----+-----------+----------+------------+-------------------------+  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com |  | 12 | deep | save | 1986-11-30 | deep.save@gmail.com |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com |  | 28 | raj | bubber | 1982-02-28 | raj.bubber@gmail.com |  +----+-----------+----------+------------+-------------------------+  6 rows in set (0.00 sec) |
|  |
| * Display the DOB in the give format **‘12th of June 1984’** |
|  |
|  |
| * Display all course\_batches who ends on ‘Sunday’. |
| mysql> select \* from course\_batches where dayname(endson)='sunday';  +----+---------+----------+------------+------------+----------+  | ID | name | courseID | starton | endson | capacity |  +----+---------+----------+------------+------------+----------+  | 9 | Batch9 | 4 | 2018-07-01 | 2018-09-30 | 25 |  | 21 | Batch21 | 1 | 2015-08-01 | 2016-02-28 | 80 |  | 22 | Batch22 | 2 | 2015-08-01 | 2016-02-28 | 30 |  +----+---------+----------+------------+------------+----------+  3 rows in set (0.00 sec) |
|  |
| * Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| mysql> select number, concat(substring(number,1,length(number)-6),'\*\*\*\*\*\*')R1 from student\_phone;  +------------+------------+  | number | R1 |  +------------+------------+  | 7032300034 | 7032\*\*\*\*\*\* |  | 7032300039 | 7032\*\*\*\*\*\* |  | 7032300050 | 7032\*\*\*\*\*\* |  | 7032300027 | 7032\*\*\*\*\*\* |  | 7032300001 | 7032\*\*\*\*\*\* |  | 7032300079 | 7032\*\*\*\*\*\* |  | 7032300081 | 7032\*\*\*\*\*\* |  | 7032300054 | 7032\*\*\*\*\*\* |  | 7032300059 | 7032\*\*\*\*\*\* |  | 7032300086 | 7032\*\*\*\*\*\* |  | 7032300082 | 7032\*\*\*\*\*\* |  | 7032300042 | 7032\*\*\*\*\*\* |  | 7032300055 | 7032\*\*\*\*\*\* |  | 7032300013 | 7032\*\*\*\*\*\* |  | 7032300099 | 7032\*\*\*\*\*\* |  | 7032300023 | 7032\*\*\*\*\*\* |  | 7032300084 | 7032\*\*\*\*\*\* |  | 7032300011 | 7032\*\*\*\*\*\* |  | 7032300066 | 7032\*\*\*\*\*\* |  | 7032300096 | 7032\*\*\*\*\*\* |  | 7132300034 | 7132\*\*\*\*\*\* |  | 7132300039 | 7132\*\*\*\*\*\* |  | 7132300050 | 7132\*\*\*\*\*\* |  | 7132300027 | 7132\*\*\*\*\*\* |  | 7032300001 | 7032\*\*\*\*\*\* |  | 7132300079 | 7132\*\*\*\*\*\* |  | 7132300081 | 7132\*\*\*\*\*\* |  | 7132300054 | 7132\*\*\*\*\*\* |  | 7132300059 | 7132\*\*\*\*\*\* |  | 7132300086 | 7132\*\*\*\*\*\* |  | 7132300082 | 7132\*\*\*\*\*\* |  | 7132300042 | 7132\*\*\*\*\*\* |  | 7132300055 | 7132\*\*\*\*\*\* |  | 7132300055 | 7132\*\*\*\*\*\* |  | 7132300055 | 7132\*\*\*\*\*\* |  | 7134567123 | 7134\*\*\*\*\*\* |  | 7156567123 | 7156\*\*\*\*\*\* |  | 7156567134 | 7156\*\*\*\*\*\* |  | 7156563423 | 7156\*\*\*\*\*\* |  | 7156567183 | 7156\*\*\*\*\*\* |  | 7146566412 | 7146\*\*\*\*\*\* |  +------------+------------+  41 rows in set (0.00 sec) |
|  |
| * Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
|  |
|  |