Assignment given on: 03-03-20

Sept23/ DBT/ 006

Database Technologies

Diploma in Advance Computing

September 2023

**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*** relation to solve the following queries.

|  |
| --- |
| 1. Get student *namefirst* with how many characters are there in their *namefirst*. |
| mysql> select namefirst ,length(namefirst)from student ;  +-----------+-------------------+  | namefirst | length(namefirst) |  +-----------+-------------------+  | 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) |
|  |
| 1. Get student details whose *namefirst* is having 4 characters only. |
| mysql> select namefirst ,length(namefirst)from student where length(namefirst)=4;  +-----------+-------------------+  | namefirst | length(namefirst) |  +-----------+-------------------+  | ulka | 4 |  | lala | 4 |  | neel | 4 |  | deep | 4 |  | dilu | 4 |  +-----------+-------------------+  5 rows in set (0.00 sec) |
|  |
| 1. Get the ASCII value of the 3rd character of *namefirst* column. |
| mysql> select ascii(substring(namefirst,3,3)) from student;  +---------------------------------+  | ascii(substring(namefirst,3,3)) |  +---------------------------------+  | 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 (0.04 sec) |
|  |
| 1. Get *namefirst* and *namelast* in lowercase. |
| mysql> select lower(namefirst),lower(namelast) from student;  +------------------+-----------------+  | lower(namefirst) | lower(namelast) |  +------------------+-----------------+  | 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) |
|  |
| 1. Get (namefirst, namelast, and emailID) all 7 letter emailID. |
|  |
|  |
| 1. Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| mysql> select namefirst,namelast,substring(namefirst,1,3) from student;  +-----------+----------+--------------------------+  | namefirst | namelast | substring(namefirst,1,3) |  +-----------+----------+--------------------------+  | 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) |
|  |
| 1. Get*(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| mysql> select namefirst,namelast,substring(namefirst,1,3) from student;  +-----------+----------+--------------------------+  | namefirst | namelast | substring(namefirst,1,3) |  +-----------+----------+--------------------------+  | 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) |
|  |
| 1. Get all student *(phonenumber)* whose *phonenumber* 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 (0.01 sec) |
|  |
| 1. Get student details of first 5 student. |
| mysql> select \* from student limit 5;  +----+-----------+----------+------------+------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Get student details of last 5 student. |
| mysql> select \* from student order by id desc limit 5;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Get student details in ascending order of *namefirst*. |
| mysql> select \* from student order by namefirst asc;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Get student details in descending order of *namelast*. |
| mysql> select \* from student order by namelast desc;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Get *(student id, namefirst, namelast, dob, and emailID)* for all students whose length of email id is more than 20 characters. |
| mysql> select id, namefirst, namelast, dob, emailID from student where length(emailid)>=20;  +----+-----------+----------+------------+--------------------------+  | id | namefirst | namelast | 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 |  | 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 |  | 18 | rahul | shah | 1982-06-12 | rahul.shah@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 |  | 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com |  | 28 | raj | bubber | 1982-02-28 | raj.bubber@gmail.com |  +----+-----------+----------+------------+--------------------------+  26 rows in set (0.00 sec) |
|  |
| 1. Combine to display student *namefirst* and *namelast*. |
| mysql> select concat(namefirst,namelast) from student;  +----------------------------+  | concat(namefirst,namelast) |  +----------------------------+  | saleelbagde |  | omkarrokde |  | ulkajoshi |  | rahulpatil |  | ruhanbagde |  | lalaprasad |  | sharminbagde |  | vrushalibagde |  | vasantkhande |  | nitishpatil |  | neelsave |  | deepsave |  | nrupalisave |  | supriyakarnik |  | bandishkarnik |  | sangitakarnik |  | sangitamenon |  | rahulshah |  | bhavinpatel |  | kaushalpatil |  | pankajgandhi |  | rajanpatel |  | bhavinpatel |  | mukeshbhavsar |  | dilukhande |  | sonamkhan |  | rohitpatil |  | rajbubber |  +----------------------------+  28 rows in set (0.00 sec) |
|  |
| 1. 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. (Bhoopali Nanadikar and emailIDis bhoopali.nanadikar@gmail.com)** |
| mysql> select concat(namefirst,' ',namelast,' and emailid',' is ' ,emailid) from student;  +---------------------------------------------------------------+  | concat(namefirst,' ',namelast,' and emailid',' is ' ,emailid) |  +---------------------------------------------------------------+  | saleel bagde and emailid is saleel.bagde@gmail.com |  | omkar rokde and emailid is omkar.rakde@gmail.com |  | ulka joshi and emailid is ulka.joshi@gmail.com |  | rahul patil and emailid is rahul.patil@gmail.com |  | ruhan bagde and emailid is ruhan.bagde@gmail.com |  | lala prasad and emailid is lala.prasad@gmail.com |  | sharmin bagde and emailid is sharmin.bagde@gmail.com |  | vrushali bagde and emailid is vrushali.bagde@gmail.com |  | vasant khande and emailid is vasant.khande@gmail.com |  | nitish patil and emailid is nitish.patil@gmail.com |  | neel save and emailid is neel.save@gmail.com |  | deep save and emailid is deep.save@gmail.com |  | nrupali save and emailid is nrupali.save@gmail.com |  | supriya karnik and emailid is supriya.karnik@gmail.com |  | bandish karnik and emailid is bandish.karnik@gmail.com |  | sangita karnik and emailid is sangita.karnik@gmail.com |  | sangita menon and emailid is sangita.menon@gmail.com |  | rahul shah and emailid is rahul.shah@gmail.com |  | bhavin patel and emailid is bhavin.patel@gmail.com |  | kaushal patil and emailid is kaushal.patil@gmail.com |  | pankaj gandhi and emailid is pankaj.gandhi@gmail.com |  | rajan patel and emailid is rajan.patel@gmail.com |  | bhavin patel and emailid is bhavin.patel@gmail.com |  | mukesh bhavsar and emailid is mukesh.bhavsar@gmail.com |  | dilu khande and emailid is dilu.khande@gmail.com |  | sonam khan and emailid is sonam.khan@gmail.com |  | rohit patil and emailid is rohit.patil@gmail.com |  | raj bubber and emailid is raj.bubber@gmail.com |  +---------------------------------------------------------------+  28 rows in set (0.00 sec) |
|  |
| 1. Get student *namefirst* and *namelast* in upper case. |
| mysql> select upper(namefirst),upper(namelast) from student;  +------------------+-----------------+  | upper(namefirst) | upper(namelast) |  +------------------+-----------------+  | 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) |
|  |
| 1. Get student firstname and *lastname* in lower case. |
| mysql> select lower(namefirst),lower(namelast) from student;  +------------------+-----------------+  | lower(namefirst) | lower(namelast) |  +------------------+-----------------+  | 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) |
|  |
| 1. Get student *firstname* and *lastname* in reverse order. |
| mysql> select reverse(namefirst),reverse(namelast) from student;  +--------------------+-------------------+  | reverse(namefirst) | reverse(namelast) |  +--------------------+-------------------+  | leelas | edgab |  | rakmo | edkor |  | aklu | ihsoj |  | luhar | litap |  | nahur | edgab |  | alal | dasarp |  | nimrahs | edgab |  | ilahsurv | edgab |  | tnasav | ednahk |  | hsitin | litap |  | leen | evas |  | peed | evas |  | ilapurn | evas |  | ayirpus | kinrak |  | hsidnab | kinrak |  | atignas | kinrak |  | atignas | nonem |  | luhar | hahs |  | nivahb | letap |  | lahsuak | litap |  | jaknap | ihdnag |  | najar | letap |  | nivahb | letap |  | hsekum | rasvahb |  | ulid | ednahk |  | manos | nahk |  | tihor | litap |  | jar | rebbub |  +--------------------+-------------------+  28 rows in set (0.00 sec) |
|  |
| 1. Get first 4 letters of student *namefirst*. |
| mysql> select substring(namefirst,1,4) from student;  +--------------------------+  | substring(namefirst,1,4) |  +--------------------------+  | sale |  | omka |  | ulka |  | rahu |  | ruha |  | lala |  | shar |  | vrus |  | vasa |  | niti |  | neel |  | deep |  | nrup |  | supr |  | band |  | sang |  | sang |  | rahu |  | bhav |  | kaus |  | pank |  | raja |  | bhav |  | muke |  | dilu |  | sona |  | rohi |  | raj |  +--------------------------+  28 rows in set (0.00 sec) |
|  |
| 1. Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| mysql> select substring(namefirst,2,2),substring(namelast,length(namelast)-2,length(namelast)-2) from student;  +--------------------------+-----------------------------------------------------------+  | substring(namefirst,2,2) | substring(namelast,length(namelast)-2,length(namelast)-2) |  +--------------------------+-----------------------------------------------------------+  | al | gde  |  | mk | kde  |  | lk | shi  |  | ah | til  |  | uh | gde  |  | al | sad  |  | ha | gde  |  | ru | gde  |  | as | nde  |  | it | til |  | ee | av  |  | ee | av  |  | ru | av  |  | up | nik  |  | an | nik  |  | an | nik  |  | an | non  |  | ah | ha |  | ha | tel  |  | au | til  |  | an | dhi  |  | aj | tel  |  | ha | tel  |  | uk | sar  |  | il | nde  |  | on | ha  |  | oh | til  |  | aj | ber  |  +--------------------------+-----------------------------------------------------------+  28 rows in set (0.00 sec) |
|  |
| 1. Get ASCII character of student *namefirst*. |
| mysql> select ascii(namefirst) from student;  +------------------+  | ascii(namefirst) |  +------------------+  | 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) |
|  |
| 1. Get first 5 letter of the students’ *namefirst*. |
| mysql> select substring(namefirst,1,5) from student;  +--------------------------+  | substring(namefirst,1,5) |  +--------------------------+  | salee |  | omkar |  | ulka |  | rahul |  | ruhan |  | lala |  | sharm |  | vrush |  | vasan |  | nitis |  | neel |  | deep |  | nrupa |  | supri |  | bandi |  | sangi |  | sangi |  | rahul |  | bhavi |  | kaush |  | panka |  | rajan |  | bhavi |  | mukes |  | dilu |  | sonam |  | rohit |  | raj |  +--------------------------+  28 rows in set (0.00 sec) |
|  |
| 1. Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
|  |
|  |
| 1. Get all student whose DOB is in the month of ‘October’. |
| mysql> select \* from student where month(dob)=('10');  +----+-----------+----------+------------+-------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| mysql> select \* from student where month(dob)=('1') or month(dob)=('12');  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Get all faculty who were born on ‘Sunday’ |
|  |
|  |
| 1. Print current date and time. |
| mysql> select curdate();  +------------+  | curdate() |  +------------+  | 2023-09-19 |  +------------+  1 row in set (0.00 sec) |
|  |
| 1. Extract month from the current date. |
| mysql> select month(curdate());  +------------------+  | month(curdate()) |  +------------------+  | 9 |  +------------------+  1 row in set (0.00 sec) |
|  |
| 1. Extract year from the current date. |
| mysql> select year(curdate());  +-----------------+  | year(curdate()) |  +-----------------+  | 2023 |  +-----------------+  1 row in set (0.00 sec) |
|  |
| 1. Get all student whose DOB is in the year 1984 in ascending order of *namefirst.* |
| mysql> select namefirst,dob from student where year(dob)='1984' order by namefirst;  +-----------+------------+  | namefirst | dob |  +-----------+------------+  | ruhan | 1984-01-12 |  | saleel | 1984-06-12 |  | vrushali | 1984-12-29 |  +-----------+------------+  3 rows in set (0.00 sec) |
|  |
| 1. Get all student whose DOB is in the 4 quarter of a year. |
| mysql> select \* from student where quarter(dob) like '4';  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Get all student whose DOB is in the 43rd week of a year. |
| mysql> select \*,week(dob) from student where week(dob) like '43';  +----+-----------+----------+------------+-------------------------+-----------+  | ID | namefirst | namelast | DOB | emailID | week(dob) |  +----+-----------+----------+------------+-------------------------+-----------+  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com | 43 |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com | 43 |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com | 43 |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com | 43 |  +----+-----------+----------+------------+-------------------------+-----------+  4 rows in set (0.00 sec) |
|  |
| 1. Get all student whose DOB is in between 10 and 19 day. |
| mysql> select \* from student where day(dob)>='10' and day(dob)<='19';  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Generate the random number between 1 to 100 |
| mysql> select floor(rand()\*100)+1;  +---------------------+  | floor(rand()\*100)+1 |  +---------------------+  | 14 |  +---------------------+  1 row in set (0.00 sec)  mysql> select floor(rand()\*100)+1;  +---------------------+  | floor(rand()\*100)+1 |  +---------------------+  | 70 |  +---------------------+  1 row in set (0.00 sec) |
|  |
| 1. Display the 5 character of namefirst column from student table. |
| mysql> select namefirst,substring(namefirst,1,5) from student;  +-----------+--------------------------+  | namefirst | substring(namefirst,1,5) |  +-----------+--------------------------+  | 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) |
|  |
| 1. Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form ‘Monday’, ‘Tuesday’…… |
| mysql> select \*,weekday(dob)+1 from student order by weekday(dob) ;  +----+-----------+----------+------------+--------------------------+----------------+  | ID | namefirst | namelast | DOB | emailID | weekday(dob)+1 |  +----+-----------+----------+------------+--------------------------+----------------+  | 6 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com | 1 |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com | 1 |  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com | 2 |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com | 2 |  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com | 3 |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com | 4 |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com | 4 |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com | 4 |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com | 4 |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com | 5 |  | 20 | kaushal | patil | 1982-07-30 | kaushal.patil@gmail.com | 5 |  | 21 | pankaj | gandhi | 1982-07-30 | pankaj.gandhi@gmail.com | 5 |  | 22 | rajan | patel | 1982-07-30 | rajan.patel@gmail.com | 5 |  | 23 | bhavin | patel | 1982-07-30 | bhavin.patel@gmail.com | 5 |  | 24 | mukesh | bhavsar | 1982-07-30 | mukesh.bhavsar@gmail.com | 5 |  | 25 | dilu | khande | 1982-07-30 | dilu.khande@gmail.com | 5 |  | 27 | rohit | patil | 1976-12-31 | rohit.patil@gmail.com | 5 |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com | 6 |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com | 6 |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com | 6 |  | 18 | rahul | shah | 1982-06-12 | rahul.shah@gmail.com | 6 |  | 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com | 6 |  | 3 | ulka | joshi | 1970-10-25 | ulka.joshi@gmail.com | 7 |  | 4 | rahul | patil | 1982-10-31 | rahul.patil@gmail.com | 7 |  | 7 | sharmin | bagde | 1986-12-14 | sharmin.bagde@gmail.com | 7 |  | 12 | deep | save | 1986-11-30 | deep.save@gmail.com | 7 |  | 19 | bhavin | patel | 1983-11-13 | bhavin.patel@gmail.com | 7 |  | 28 | raj | bubber | 1982-02-28 | raj.bubber@gmail.com | 7 |  +----+-----------+----------+------------+--------------------------+----------------+  28 rows in set (0.00 sec) |
|  |
| 1. Display all student who’s DOB comes in the 4th quarter of the year. |
| mysql> select \* from student where quarter(dob) like '4';  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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) |
|  |
| 1. Display all student who were born on ‘Sunday’. |
|  |
|  |
| 1. Display the DOB in the give format **‘12th of June 1984’** |
| mysql> select date\_format(dob,'%D of %M,%Y') from student;  +--------------------------------+  | date\_format(dob,'%D of %M,%Y') |  +--------------------------------+  | 12th of June,1984 |  | 25th of October,1969 |  | 25th of October,1970 |  | 31st of October,1982 |  | 12th of January,1984 |  | 1st of December,1980 |  | 14th of December,1986 |  | 29th of December,1984 |  | 26th of October,1992 |  | 26th of October,1990 |  | 30th of October,1975 |  | 30th of November,1986 |  | 1st of December,1981 |  | 15th of December,1983 |  | 30th of December,1987 |  | 1st of December,1990 |  | 26th of October,1989 |  | 12th of June,1982 |  | 13th of November,1983 |  | 30th of July,1982 |  | 30th of July,1982 |  | 30th of July,1982 |  | 30th of July,1982 |  | 30th of July,1982 |  | 30th of July,1982 |  | 13th of May,1972 |  | 31st of December,1976 |  | 28th of February,1982 |  +--------------------------------+  28 rows in set (0.00 sec) |
|  |
| 1. Display all course\_batches who ends on ‘Sunday’. |
|  |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| mysql> select \* from student\_phone where number like'7032%';  +----+-----------+------------+----------+  | 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) |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*8765” for all students. |
|  |
|  |