Assignment

August/ DBT/ 006

Database Technologies

Diploma in Advance Computing

August 2024

**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.

|  |
| --- |
| 1. Get student *namefirst* with how many characters are there in their *namefirst*. |
| mysql> SELECT namefirst, LENGTH(namefirst) AS name\_length FROM faculty;  +-----------+-------------+  | namefirst | name\_length |  +-----------+-------------+  | prachi | 6 |  | ketan | 5 |  | kiran | 5 |  | parag | 5 |  | raju | 4|  +-----------+-------------+ |
|  |
| 1. Get student details whose *namefirst*is having 4 characters only. |
| mysql> SELECT namefirst, LENGTH(namefirst) AS name\_length FROM faculty;  +-----------+-------------+  | namefirst | name\_length |  +-----------+-------------+  | prachi | 6 |  | ketan | 5 |  | kiran | 5 |  | parag | 5 |  +-----------+-------------+  4 rows in set (0.00 sec) |
|  |
| 1. Get the ASCII value of the 3rd character of *namefirst* column. |
| mysql> SELECT namefirst,ASCII(SUBSTRING(namefirst, 3, 1)) AS ascii\_value FROM faculty;  +-----------+-------------+  | namefirst | ascii\_value |  +-----------+-------------+  | prachi | 97 |  | ketan | 116 |  | kiran | 114 |  | parag | 114 |  | raju | 106 |  +-----------+-------------+ |
|  |
| 1. Get *namefirst* and *namelast* in lowercase. |
| SELECT LOWER(namefirst) AS namefirst\_lower, LOWER(namelast) AS namelast\_lower FROM faculty;  +-----------------+----------------+  | namefirst\_lower | namelast\_lower |  +-----------------+----------------+  | prachi | gupta |  | ketan | shukla |  | kiran | dev |  | parag | patil |  | raju | patil |  +-----------------+----------------+ |
|  |
| 1. Get (namefirst, namelast, and emailID) all 7 letter emailID. |
| SELECT namefirst,namelast, emailID from faculty where LENGTH(emailid) > 7;  +-----------+----------+------------------------+  | namefirst | namelast | emailID |  +-----------+----------+------------------------+  | prachi | gupta | prachi.gupta@gmail.com |  | ketan | shukla | ketan.shukla@gmail.com |  | kiran | dev | kiran.dev@gmail.com |  | parag | patil | parag.patil@gmail.com |  | raju | patil | raju.patil@gmail.com |  +-----------+----------+------------------------+ |
|  |
| 1. Get *(namefirst, namelast and first 3 letters of namefirst)* for all students. |
| mysql> SELECT namefirst,namelast,substring(namefirst,1,3) as first3letters from faculty;  +-----------+----------+---------------+  | namefirst | namelast | first3letters |  +-----------+----------+---------------+  | prachi | gupta | pra |  | ketan | shukla | ket |  | kiran | dev | kir |  | parag | patil | par |  | raju | patil | raj |  +-----------+----------+---------------+ |
|  |
| 1. Get*(namefirst, namelast and last 3 letters of namefirst)* for all student. |
| mysql> SELECT namefirst,namelast,right(namefirst,3) as first3letters from faculty;  +-----------+----------+---------------+  | namefirst | namelast | first3letters |  +-----------+----------+---------------+  | prachi | gupta | chi |  | ketan | shukla | tan |  | kiran | dev | ran |  | parag | patil | rag |  | raju | patil | aju |  +-----------+----------+---------------+ |
|  |
| 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 |  +----+-----------+------------+----------+ |
|  |
| 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 |  +----+-----------+----------+------------+------------------------+ |
|  |
| 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)  mysql> select \* from (select \* from student order by id desc limit 5) T1 order by id;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+--------------------------+  | 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 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 |  | 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. Combine to display student *namefirst* and *namelast*. |
| mysql> select CONCAT(namefirst, ' ', namelast) as fullname from student;  +----------------+  | fullname |  +----------------+  | 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 |  +----------------+ |
|  |
| 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)** |
|  |
|  |
| 1. Get student *namefirst* and *namelast* in upper case. |
| mysql> select UPPER(namefirst) AS namefirst\_upper , UPPER(namelast) AS namelast\_upper from student;  +-----------------+----------------+  | namefirst\_upper | namelast\_upper |  +-----------------+----------------+  | 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 |  +-----------------+----------------+ |
|  |
| 1. Get student firstname and *lastname* in lower case. |
| mysql> select lower(namefirst) as name\_first\_lower, lower(namelast) as name\_last\_lower from student;  +------------------+-----------------+  | name\_first\_lower | name\_last\_lower |  +------------------+-----------------+  | 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 |  +------------------+-----------------+ |
|  |
| 1. Get student *firstname* and *lastname* in reverse order. |
| mysql> select reverse(namefirst) as reverse\_namefirst,reverse(namelast) as 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 |  +-------------------+------------------+ |
|  |
| 1. Get first 4 letters of student *namefirst*. |
| mysql> select substring(namefirst,1,4) as firstfour from student;  +-----------+  | firstfour |  +-----------+  | 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 |  +-----------+ |
|  |
| 1. Get second letter of student *namefirst* to second last letter of student *namefirst*. |
| mysql> select substring(namefirst,2,Length(namefirst)-2) as new\_namefirst from student;  +---------------+  | new\_namefirst |  +---------------+  | alee |  | mka |  | lk |  | ahu |  | uha |  | al |  | harmi |  | rushal |  | asan |  | itis |  | ee |  | ee |  | rupal |  | upriy |  | andis |  | angit |  | angit |  | ahu |  | havi |  | ausha |  | anka |  | aja |  | havi |  | ukes |  | il |  | ona |  | ohi |  | a |  +---------------+ |
|  |
| 1. Get ASCII character of student *namefirst*. |
| mysql> select namefirst, ascii(substring(namefirst,1,1)) as ascii\_value from student;  +-----------+-------------+  | namefirst | ascii\_value |  +-----------+-------------+  | saleel | 115 |  | omkar | 111 |  | ulka | 117 |  | rahul | 114 |  | ruhan | 114 |  | lala | 108 |  | sharmin | 115 |  | vrushali | 118 |  | vasant | 118 |  | nitish | 110 |  | neel | 110 |  | deep | 100 |  | nrupali | 110 |  | supriya | 115 |  | bandish | 98 |  | sangita | 115 |  | sangita | 115 |  | rahul | 114 |  | bhavin | 98 |  | kaushal | 107 |  | pankaj | 112 |  | rajan | 114 |  | bhavin | 98 |  | mukesh | 109 |  | dilu | 100 |  | sonam | 115 |  | rohit | 114 |  | raj | 114 |  +-----------+-------------+ |
|  |
| 1. Get first 5 letter of the students’ *namefirst*. |
| mysql> select substring(namefirst,1,5) as first\_five\_letters from student;  +--------------------+  | first\_five\_letters |  +--------------------+  | 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 |  +--------------------+ |
|  |
| 1. Print *phone number* of all student in the given format 7032300034\*\*\*\*\*. |
| mysql> select ID, concat(substring(number,1,10),'\*\*\*\*\*') as new\_number from student\_phone;  +----+-----------------+  | ID | new\_number |  +----+-----------------+  | 1 | 7032300034\*\*\*\*\* |  | 2 | 7032300039\*\*\*\*\* |  | 3 | 7032300050\*\*\*\*\* |  | 4 | 7032300027\*\*\*\*\* |  | 5 | 7032300001\*\*\*\*\* |  | 6 | 7032300079\*\*\*\*\* |  | 7 | 7032300081\*\*\*\*\* |  | 8 | 7032300054\*\*\*\*\* |  | 9 | 7032300059\*\*\*\*\* |  | 10 | 7032300086\*\*\*\*\* |  | 11 | 7032300082\*\*\*\*\* |  | 12 | 7032300042\*\*\*\*\* |  | 13 | 7032300055\*\*\*\*\* |  | 14 | 7032300013\*\*\*\*\* |  | 15 | 7032300099\*\*\*\*\* |  | 16 | 7032300023\*\*\*\*\* |  | 17 | 7032300084\*\*\*\*\* |  | 18 | 7032300011\*\*\*\*\* |  | 19 | 7032300066\*\*\*\*\* |  | 20 | 7032300096\*\*\*\*\* |  | 21 | 7132300034\*\*\*\*\* |  | 22 | 7132300039\*\*\*\*\* |  | 23 | 7132300050\*\*\*\*\* |  | 24 | 7132300027\*\*\*\*\* |  | 25 | 7032300001\*\*\*\*\* |  | 26 | 7132300079\*\*\*\*\* |  | 27 | 7132300081\*\*\*\*\* |  | 28 | 7132300054\*\*\*\*\* |  | 29 | 7132300059\*\*\*\*\* |  | 30 | 7132300086\*\*\*\*\* |  | 31 | 7132300082\*\*\*\*\* |  | 32 | 7132300042\*\*\*\*\* |  | 33 | 7132300055\*\*\*\*\* |  | 34 | 7132300055\*\*\*\*\* |  | 35 | 7132300055\*\*\*\*\* |  | 36 | 7134567123\*\*\*\*\* |  | 37 | 7156567123\*\*\*\*\* |  | 38 | 7156567134\*\*\*\*\* |  | 39 | 7156563423\*\*\*\*\* |  | 40 | 7156567183\*\*\*\*\* |  | 41 | 7146566412\*\*\*\*\* |  +----+-----------------+ |
|  |
| 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 |  +----+-----------+----------+------------+-------------------------+ |
|  |
| 1. Get all student whose DOB is in the month of ‘January’ or ‘December’. |
| mysql> select \* from student where month(dob) in (1,12);  +----+-----------+----------+------------+--------------------------+  | 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. Get all faculty who were born on ‘Sunday’ |
| mysql> select \* from faculty where dayofweek(dob)=2;  +----+-----------+----------+------------+---------------------+  | ID | namefirst | namelast | DOB | emailID |  +----+-----------+----------+------------+---------------------+  | 3 | kiran | dev | 1971-10-25 | kiran.dev@gmail.com |  +----+-----------+----------+------------+---------------------+ |
|  |
| 1. Print current date and time. |
| mysql> SELECT CURRENT\_TIMESTAMP AS current\_date\_time;  +---------------------+  | current\_date\_time |  +---------------------+  | 2024-10-21 11:56:30 |  +---------------------+ |
|  |
| 1. Extract month from the current date. |
| mysql> SELECT MONTH(CURRENT\_DATE) AS current\_month;  +---------------+  | current\_month |  +---------------+  | 10 |  +---------------+ |
|  |
| 1. Extract year from the current date. |
| mysql> SELECT YEAR(CURRENT\_DATE) AS current\_year;  +--------------+  | current\_year |  +--------------+  | 2024 |  +--------------+ |
| 1. Get all student whose DOB is in the year 1984 in ascending order of *namefirst.* |
| mysql> SELECT \* FROM student WHERE YEAR(dob) = 1984 ORDER BY namefirst ASC;  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. Get all student whose DOB is in the 4 quarter of a year. |
| mysql> SELECT \* FROM student WHERE MONTH(dob) IN (10, 11, 12);  +----+-----------+----------+------------+--------------------------+  | 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. Get all student whose DOB is in the 43rd week of a year. |
| mysql> SELECT \* FROM student WHERE WEEK(dob, 1) = 43;  +----+-----------+----------+------------+-------------------------+  | 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 |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  +----+-----------+----------+------------+-------------------------+ |
|  |
| 1. Get all student whose DOB is in between 10 and 19 day. |
| mysql> SELECT \* FROM student WHERE DAY(dob) BETWEEN 10 AND 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. Generate the random number between 1 to 100 |
| mysql> SELECT FLOOR(1 + RAND() \* 100) AS random\_number;  +---------------+  | random\_number |  +---------------+  | 52 |  +---------------+ |
|  |
| 1. Display the 5 character of namefirst column from student table. |
| mysql> SELECT SUBSTRING(namefirst, 1, 5) AS first\_five\_characters FROM student;  +-----------------------+  | first\_five\_characters |  +-----------------------+  | 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 |  +-----------------------+ |
|  |
| 1. Display all student in ascending order of their DOB, the ordering must be done on weekday name starting form ‘Monday’, ‘Tuesday’…… |
| mysql> select \* from student order by(dayofweek(dob));  +----+-----------+----------+------------+--------------------------+  | ID | namefirst | namelast | 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 | lala | prasad | 1980-12-01 | lala.prasad@gmail.com |  | 9 | vasant | khande | 1992-10-26 | vasant.khande@gmail.com |  | 1 | saleel | bagde | 1984-06-12 | saleel.bagde@gmail.com |  | 13 | nrupali | save | 1981-12-01 | nrupali.save@gmail.com |  | 15 | bandish | karnik | 1987-12-30 | bandish.karnik@gmail.com |  | 5 | ruhan | bagde | 1984-01-12 | ruhan.bagde@gmail.com |  | 11 | neel | save | 1975-10-30 | neel.save@gmail.com |  | 14 | supriya | karnik | 1983-12-15 | supriya.karnik@gmail.com |  | 17 | sangita | menon | 1989-10-26 | sangita.menon@gmail.com |  | 10 | nitish | patil | 1990-10-26 | nitish.patil@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 |  | 2 | omkar | rokde | 1969-10-25 | omkar.rakde@gmail.com |  | 8 | vrushali | bagde | 1984-12-29 | vrushali.bagde@gmail.com |  | 16 | sangita | karnik | 1990-12-01 | sangita.karnik@gmail.com |  | 18 | rahul | shah | 1982-06-12 | rahul.shah@gmail.com |  | 26 | sonam | khan | 1972-05-13 | sonam.khan@gmail.com |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. Display all student who’s DOB comes in the 4th quarter of the year. |
| mysql> SELECT \*FROM student WHERE MONTH(dob) IN (10, 11, 12);  +----+-----------+----------+------------+--------------------------+  | 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 |  +----+-----------+----------+------------+--------------------------+ |
|  |
| 1. Display all student who were born on ‘Sunday’. |
| mysql> SELECT \*FROM student WHERE DAYOFWEEK(dob) = 1;  +----+-----------+----------+------------+-------------------------+  | ID | namefirst | namelast | 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 |  +----+-----------+----------+------------+-------------------------+ |
|  |
| 1. Display the DOB in the give format **‘12th of June 1984’** |
| mysql> SELECT ID, DATE\_FORMAT(dob, '%D of %M %Y') AS formatted\_dob FROM student;  +----+-----------------------+  | ID | formatted\_dob |  +----+-----------------------+  | 1 | 12th of June 1984 |  | 2 | 25th of October 1969 |  | 3 | 25th of October 1970 |  | 4 | 31st of October 1982 |  | 5 | 12th of January 1984 |  | 6 | 1st of December 1980 |  | 7 | 14th of December 1986 |  | 8 | 29th of December 1984 |  | 9 | 26th of October 1992 |  | 10 | 26th of October 1990 |  | 11 | 30th of October 1975 |  | 12 | 30th of November 1986 |  | 13 | 1st of December 1981 |  | 14 | 15th of December 1983 |  | 15 | 30th of December 1987 |  | 16 | 1st of December 1990 |  | 17 | 26th of October 1989 |  | 18 | 12th of June 1982 |  | 19 | 13th of November 1983 |  | 20 | 30th of July 1982 |  | 21 | 30th of July 1982 |  | 22 | 30th of July 1982 |  | 23 | 30th of July 1982 |  | 24 | 30th of July 1982 |  | 25 | 30th of July 1982 |  | 26 | 13th of May 1972 |  | 27 | 31st of December 1976 |  | 28 | 28th of February 1982 |  +----+-----------------------+ |
|  |
| 1. Display all course\_batches who ends on ‘Sunday’. |
| mysql> SELECT \* FROM course\_batches WHERE DAYOFWEEK(endson) = 1;  +----+---------+----------+------------+------------+----------+  | 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 |  +----+---------+----------+------------+------------+----------+ |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*\*\*” for all students. |
| mysql> SELECT ID, CONCAT(SUBSTRING(number, 1, 4), '\*\*\*\*\*\*') AS formatted\_phone FROM student\_phone;  +----+-----------------+  | ID | formatted\_phone |  +----+-----------------+  | 1 | 7032\*\*\*\*\*\* |  | 2 | 7032\*\*\*\*\*\* |  | 3 | 7032\*\*\*\*\*\* |  | 4 | 7032\*\*\*\*\*\* |  | 5 | 7032\*\*\*\*\*\* |  | 6 | 7032\*\*\*\*\*\* |  | 7 | 7032\*\*\*\*\*\* |  | 8 | 7032\*\*\*\*\*\* |  | 9 | 7032\*\*\*\*\*\* |  | 10 | 7032\*\*\*\*\*\* |  | 11 | 7032\*\*\*\*\*\* |  | 12 | 7032\*\*\*\*\*\* |  | 13 | 7032\*\*\*\*\*\* |  | 14 | 7032\*\*\*\*\*\* |  | 15 | 7032\*\*\*\*\*\* |  | 16 | 7032\*\*\*\*\*\* |  | 17 | 7032\*\*\*\*\*\* |  | 18 | 7032\*\*\*\*\*\* |  | 19 | 7032\*\*\*\*\*\* |  | 20 | 7032\*\*\*\*\*\* |  | 21 | 7132\*\*\*\*\*\* |  | 22 | 7132\*\*\*\*\*\* |  | 23 | 7132\*\*\*\*\*\* |  | 24 | 7132\*\*\*\*\*\* |  | 25 | 7032\*\*\*\*\*\* |  | 26 | 7132\*\*\*\*\*\* |  | 27 | 7132\*\*\*\*\*\* |  | 28 | 7132\*\*\*\*\*\* |  | 29 | 7132\*\*\*\*\*\* |  | 30 | 7132\*\*\*\*\*\* |  | 31 | 7132\*\*\*\*\*\* |  | 32 | 7132\*\*\*\*\*\* |  | 33 | 7132\*\*\*\*\*\* |  | 34 | 7132\*\*\*\*\*\* |  | 35 | 7132\*\*\*\*\*\* |  | 36 | 7134\*\*\*\*\*\* |  | 37 | 7156\*\*\*\*\*\* |  | 38 | 7156\*\*\*\*\*\* |  | 39 | 7156\*\*\*\*\*\* |  | 40 | 7156\*\*\*\*\*\* |  | 41 | 7146\*\*\*\*\*\* |  +----+-----------------+ |
|  |
| 1. Display student\_phone number in the following format “7032\*\*\*\*8765” for all students.   mysql> SELECT ID,CONCAT(SUBSTRING(number, 1, 4), '\*\*\*\*', SUBSTRING(number, -4)) AS formatted\_phone FROM student\_phone;  +----+-----------------+  | ID | formatted\_phone |  +----+-----------------+  | 1 | 7032\*\*\*\*0034 |  | 2 | 7032\*\*\*\*0039 |  | 3 | 7032\*\*\*\*0050 |  | 4 | 7032\*\*\*\*0027 |  | 5 | 7032\*\*\*\*0001 |  | 6 | 7032\*\*\*\*0079 |  | 7 | 7032\*\*\*\*0081 |  | 8 | 7032\*\*\*\*0054 |  | 9 | 7032\*\*\*\*0059 |  | 10 | 7032\*\*\*\*0086 |  | 11 | 7032\*\*\*\*0082 |  | 12 | 7032\*\*\*\*0042 |  | 13 | 7032\*\*\*\*0055 |  | 14 | 7032\*\*\*\*0013 |  | 15 | 7032\*\*\*\*0099 |  | 16 | 7032\*\*\*\*0023 |  | 17 | 7032\*\*\*\*0084 |  | 18 | 7032\*\*\*\*0011 |  | 19 | 7032\*\*\*\*0066 |  | 20 | 7032\*\*\*\*0096 |  | 21 | 7132\*\*\*\*0034 |  | 22 | 7132\*\*\*\*0039 |  | 23 | 7132\*\*\*\*0050 |  | 24 | 7132\*\*\*\*0027 |  | 25 | 7032\*\*\*\*0001 |  | 26 | 7132\*\*\*\*0079 |  | 27 | 7132\*\*\*\*0081 |  | 28 | 7132\*\*\*\*0054 |  | 29 | 7132\*\*\*\*0059 |  | 30 | 7132\*\*\*\*0086 |  | 31 | 7132\*\*\*\*0082 |  | 32 | 7132\*\*\*\*0042 |  | 33 | 7132\*\*\*\*0055 |  | 34 | 7132\*\*\*\*0055 |  | 35 | 7132\*\*\*\*0055 |  | 36 | 7134\*\*\*\*7123 |  | 37 | 7156\*\*\*\*7123 |  | 38 | 7156\*\*\*\*7134 |  | 39 | 7156\*\*\*\*3423 |  | 40 | 7156\*\*\*\*7183 |  | 41 | 7146\*\*\*\*6412 |  +----+-----------------+ |
|  |
|  |