

Student

| stud_id | fname | lname | email | ph_no | joining_Year | course | DOB |
|---------|---------|------------|-------------------------|------------|--------------|--------|------------|
| 254 | Riya | Sharma | rs1999shi@gmail.com | 9675442200 | 2005 | CS400 | 1987-09-04 |
| 423 | Gautam | Singh | gauti007@yahoo.com | 8597656655 | 2018 | CS101 | 1999-05-24 |
| 322 | Prem | Chopra | premchopra7@yahoo.com | 8844442200 | 2019 | CS206 | 2000-10-15 |
| 112 | Ash | Singh | yoashking@gmail.com | 8534567801 | 2019 | CS306 | 1999-12-13 |
| 345 | Lokesh | Daga | dadspriceloki@yahoo.com | 9988224377 | 2016 | CS101 | 2017-05-05 |
| 222 | Priya | Roy | priya11@gmail.com | 6005442200 | 2005 | EC200 | 1988-03-12 |
| 262 | Lokesh | Dhaulakiya | DLokesh@gmail.com | 9885663300 | 2005 | CS400 | 1999-01-09 |
| 499 | Sachin | Kumar | sachinten@yahoo.com | 9887454554 | 2010 | CS306 | 1992-12-01 |
| 196 | Raman | Kaur | kaurraman@gmail.com | 8674564111 | 2009 | CS201 | 1990-08-07 |
| 334 | Kuldeep | Daga | kulDaga@yahoo.in | 7003770037 | 2016 | CS210 | 1997-11-20 |
| 506 | Shivam | Deka | dekashivam@gmail.com | 6001245600 | 2018 | CS400 | 2000-06-27 |
| 254 | Oscar | Daga | oDaga@gmail.com | 8523455621 | 2019 | CS101 | 1999-03-20 |

EMP_DATA

| Emp_ID | Emp_name | Dept | Contract | Email | HomeTown |
|--------|------------------|------|----------|-----------------|-----------|
| 546 | Rakesh Matam | D1 | FTE | fabcd1@xyz.com | Patna |
| 1111 | Kuldeep Ravaliya | D3 | Intern | intdef1@xyz.com | Indore |
| 670 | Sugam Sehgal | D4 | FTE | fabcd3@xyz.com | Himachal |
| 1110 | Sumit Mishra | D3 | Intern | intdef2@xyz.com | Patna |
| 890 | Lokesh Daga | D2 | FTE | fabcd5@xyz.com | Bikaner |
| 700 | Rakesh Matam | D3 | FTE | fabcd6@xyz.com | Ludhiana |
| 1251 | Ram Kumar | D4 | FTE | fabcd7@xyz.com | Guwahati |
| 1300 | Shayam Singh | D2 | Intern | intdef3@xyz.com | Ludhiana |
| 245 | Neelabh Shukla | D4 | FTE | fabcd8@xyz.com | Kota |
| 210 | Barkha Singh | D3 | FTE | fabcd9@xyz.com | Mumbai |
| 500 | Rohan Arora | D5 | Intern | intdef4@xyz.com | Jalandhar |

Q1: List down the student id along with their complete names.

```
SELECT STUD_ID, FNAME, LNAME FROM STUDENT;
```

| STUD_ID | FNAME | LNAME |
|---------|---------|------------|
| 254 | Riya | Sharma |
| 423 | Gautam | Singh |
| 322 | Prem | Chopra |
| 112 | Ash | Singh |
| 345 | Lokesh | Daga |
| 222 | Priya | Roy |
| 262 | Lokesh | Dhaulakiya |
| 499 | Sachin | Kumar |
| 196 | Raman | Kaur |
| 334 | Kuldeep | Daga |
| 506 | Shivam | Deka |
| 254 | Oscar | Daga |

Q2: List down the student id along with their names and contact info like email and phone number who joined the institute in 2018.

```
SELECT STUD_ID, FNAME, LNAME, EMAIL, PH_NO FROM STUDENT WHERE JOINING_YEAR = 2018;
```

| STUD_ID | FNAME | LNAME | EMAIL | PH_NO |
|---------|--------|-------|----------------------|------------|
| 423 | Gautam | Singh | gauti007@yahoo.com | 8597656655 |
| 506 | Shivam | Deka | dekashivam@gmail.com | 6001245600 |

Q3: List down all the information about the students who are enrolled in the CS400 course.

```
SELECT * FROM STUDENT WHERE COURSE = "CS400";
```

| stud_id | fname | lname | email | ph_no | joining_Year | course | DOB |
|---------|--------|------------|----------------------|------------|--------------|--------|------------|
| 254 | Riya | Sharma | rs1999shi@gmail.com | 9675442200 | 2005 | CS400 | 1987-09-04 |
| 262 | Lokesh | Dhaulakiya | DLokesh@gmail.com | 9885663300 | 2005 | CS400 | 1999-01-09 |
| 506 | Shivam | Deka | dekashivam@gmail.com | 6001245600 | 2018 | CS400 | 2000-06-27 |

Q4: List down all the student's personal details like student id, name and contact information like email, phone number who joined the institute after 2000 and have the surname Daga.

```
SELECT STUD_ID, FNAME, LNAME, EMAIL, PH_NO FROM STUDENT WHERE JOINING_YEAR > 2000 and LNAME = "Daga";
```

| STUD_ID | FNAME | LNAME | EMAIL | PH_NO |
|---------|---------|-------|-------------------------|------------|
| 345 | Lokesh | Daga | dadspriceloki@yahoo.com | 9988224377 |
| 334 | Kuldeep | Daga | kulDaga@yahoo.in | 7003770037 |
| 254 | Oscar | Daga | oDaga@gmail.com | 8523455621 |

Q5: List out all the student id's who have either joined the institute in the year 2016 or were enrolled for CS101.

```
SELECT STUD_ID FROM STUDENT WHERE JOINING_YEAR = 2016 OR COURSE = "CS101";
```

| STUD_ID |
|---------|
| 423 |
| 345 |
| 334 |
| 254 |

Q6: Enlist all the students who joined the institute between the year 2009 and 2011.

```
SELECT * FROM STUDENT WHERE JOINING_YEAR BETWEEN 2009 AND 2011;
```

| stud_id | fname | lname | email | ph_no | joining_Year | course | DOB |
|---------|--------|-------|---------------------|------------|--------------|--------|------------|
| 499 | Sachin | Kumar | sachinten@yahoo.com | 9887454554 | 2010 | CS306 | 1992-12-01 |
| 196 | Raman | Kaur | kaurraman@gmail.com | 8674564111 | 2009 | CS201 | 1990-08-07 |

Q7: List out all the students' names (fname and lname) with their joining year and phone number who were born on and after 2nd November 1998.

```
SELECT FNAME, LNAME, JOINING_YEAR, PH_NO FROM STUDENT WHERE DOB > '1998-11-02';
```

| FNAME | LNAME | JOINING_YEAR | PH_NO |
|--------|------------|--------------|------------|
| Gautam | Singh | 2018 | 8597656655 |
| Prem | Chopra | 2019 | 8844442200 |
| Ash | Singh | 2019 | 8534567801 |
| Lokesh | Daga | 2016 | 9988224377 |
| Lokesh | Dhaulakiya | 2005 | 9885663300 |
| Shivam | Deka | 2018 | 6001245600 |
| Oscar | Daga | 2019 | 8523455621 |

Q8: Enlist the email ids of all the interns along with their names.

```
SELECT EMP_NAME, EMAIL FROM EMP_DATA WHERE CONTRACT = 'Intern';
```

| emp_name | email |
|------------------|-----------------|
| Kuldeep Ravaliya | intdef1@xyz.com |
| Sumit Mishra | intdef2@xyz.com |
| Shayam Singh | intdef3@xyz.com |
| Rohan Arora | intdef4@xyz.com |

Q9: Fetch the records of all employees of Department D3 with the FTE offer.

```
SELECT * FROM EMP_DATA WHERE DEPT = 'D3' AND CONTRACT = 'FTE';
```

| emp_id | emp_name | dept | contract | email | hometown |
|--------|--------------|------|----------|----------------|----------|
| 700 | Rakesh Matam | D3 | FTE | fabcd6@xyz.com | Ludhiana |
| 210 | Barkha Singh | D3 | FTE | fabcd9@xyz.com | Mumbai |

Q10: Fetch all the records of the employees working for department D1 or D3.

```
SELECT * FROM EMP_DATA WHERE DEPT = 'D1' OR DEPT = 'D3';
```

| emp_id | emp_name | dept | contract | email | hometown |
|--------|------------------|------|----------|-----------------|----------|
| 546 | Rakesh Matam | D1 | FTE | fabcd1@xyz.com | Patna |
| 1111 | Kuldeep Ravaliya | D3 | Intern | intdef1@xyz.com | Indore |
| 1110 | Sumit Mishra | D3 | Intern | intdef2@xyz.com | Patna |
| 700 | Rakesh Matam | D3 | FTE | fabcd6@xyz.com | Ludhiana |
| 210 | Barkha Singh | D3 | FTE | fabcd9@xyz.com | Mumbai |

Q11: List out all the students' names (fname and lname) and their course whose ids are 423,667,645,321,776.

```
SELECT FNAME, LNAME, COURSE FROM STUDENT WHERE STUD_ID IN
(423,667,645,321,776);
```

```
+-----+-----+-----+
| FNAME | LNAME | COURSE |
+-----+-----+-----+
| Gautam | Singh | CS101  |
+-----+-----+-----+
```

Q12: Fetch all the records of the employees working for department D1 or D3 using the IN clause.

```
SELECT * FROM EMP_DATA WHERE DEPT IN ('D1', 'D3');
```

| emp_id | emp_name | dept | contract | email | hometown |
|--------|------------------|------|----------|-----------------|----------|
| 546 | Rakesh Matam | D1 | FTE | fabcd1@xyz.com | Patna |
| 1111 | Kuldeep Ravaliya | D3 | Intern | intdef1@xyz.com | Indore |
| 1110 | Sumit Mishra | D3 | Intern | intdef2@xyz.com | Patna |
| 700 | Rakesh Matam | D3 | FTE | fabcd6@xyz.com | Ludhiana |
| 210 | Barkha Singh | D3 | FTE | fabcd9@xyz.com | Mumbai |

Q13: Fetch all the records of employees that neither work for department D1 nor for D2.

```
SELECT * FROM EMP_DATA WHERE DEPT NOT IN ('D1', 'D2');
```

| emp_id | emp_name | dept | contract | email | hometown |
|--------|------------------|------|----------|-----------------|-----------|
| 1111 | Kuldeep Ravaliya | D3 | Intern | intdef1@xyz.com | Indore |
| 670 | Sugam Sehgal | D4 | FTE | fabcd3@xyz.com | Himachal |
| 1110 | Sumit Mishra | D3 | Intern | intdef2@xyz.com | Patna |
| 700 | Rakesh Matam | D3 | FTE | fabcd6@xyz.com | Ludhiana |
| 1251 | Ram Kumar | D4 | FTE | fabcd7@xyz.com | Guwahati |
| 245 | Neelabh Shukla | D4 | FTE | fabcd8@xyz.com | Kota |
| 210 | Barkha Singh | D3 | FTE | fabcd9@xyz.com | Mumbai |
| 500 | Rohan Arora | D5 | Intern | intdef4@xyz.com | Jalandhar |

Q14: List down the employee name and department that are either from Mumbai or Jalandhar and hold an employee Id numbered less than 900.

```
SELECT EMP_NAME, DEPT FROM EMP_DATA WHERE HOMETOWN IN ('MUMBAI',
'JALANDHAR') AND EMP_ID < 900;
```

```
+-----+-----+
| EMP_NAME | DEPT |
+-----+-----+
| Barkha Singh | D3 |
| Rohan Arora | D5 |
+-----+-----+
```

Q15: List down the complete names of the students from batch 2019 (who joined in 2019) and the second letter of their first name is "s".

SELECT FNAME, LNAME FROM STUDENT WHERE FNAME LIKE '_S%'

```
+-----+-----+
| FNAME | LNAME |
+-----+-----+
| Ash   | Singh |
| Oscar | Daga  |
+-----+-----+
```

Q16: List down all the student information who use Yahoo as their emails.

SELECT * FROM STUDENT WHERE EMAIL LIKE '%YAHOO%';

| stud_id | fname | lname | email | ph_no | joining_Year | course | DOB |
|---------|---------|--------|-------------------------|------------|--------------|--------|------------|
| 423 | Gautam | Singh | gauti007@yahoo.com | 8597656655 | 2018 | CS101 | 1999-05-24 |
| 322 | Prem | Chopra | premchopra7@yahoo.com | 8844442200 | 2019 | CS206 | 2000-10-15 |
| 345 | Lokesh | Daga | dadspriceloki@yahoo.com | 9988224377 | 2016 | CS101 | 2017-05-05 |
| 499 | Sachin | Kumar | sachinten@yahoo.com | 9887454554 | 2010 | CS306 | 1992-12-01 |
| 334 | Kuldeep | Daga | kulDaga@yahoo.in | 7003770037 | 2016 | CS210 | 1997-11-20 |

Q17: Fetch all the records with Email ID's starting from 'fab'.

SELECT * FROM EMP_DATA WHERE EMAIL LIKE 'fab%';

| emp_id | emp_name | dept | contract | email | hometown |
|--------|----------------|------|----------|----------------|----------|
| 546 | Rakesh Matam | D1 | FTE | fabcd1@xyz.com | Patna |
| 670 | Sugam Sehgal | D4 | FTE | fabcd3@xyz.com | Himachal |
| 890 | Lokesh Daga | D2 | FTE | fabcd5@xyz.com | Bikaner |
| 700 | Rakesh Matam | D3 | FTE | fabcd6@xyz.com | Ludhiana |
| 1251 | Ram Kumar | D4 | FTE | fabcd7@xyz.com | Guwahati |
| 245 | Neelabh Shukla | D4 | FTE | fabcd8@xyz.com | Kota |
| 210 | Barkha Singh | D3 | FTE | fabcd9@xyz.com | Mumbai |

Q18: List down all the employee id's and names whose Email contains 'bcd' and belongs to department D3 or D4 but aren't from Himachal, Guwahati.

SELECT EMP_ID, EMP_NAME FROM EMP_DATA WHERE EMAIL LIKE '%bcd%' AND DEPT IN ('D3', 'D4') AND HOMETOWN NOT IN ('HIMACHAL', 'GUWAHATI');

```
+-----+-----+
| EMP_ID | EMP_NAME |
+-----+-----+
| 700    | Rakesh Matam |
| 245    | Neelabh Shukla |
| 210    | Barkha Singh |
+-----+-----+
```