

ASSIGNMENT NO 2

Q1. Write a Sql query that will fetch all upcoming courses.

course_id	course_name	description	fees	start_date	end_date	video_expire_days
1	IIT-MERN-2025	MERN	4000	2025-12-20	2026-01-20	30
7	AI	some course related to AI	10000	2025-12-24	2026-01-24	5
8	Android	Android related course	9999	2025-12-24	2026-01-24	7
11	python	py	10000	2025-12-24	2026-01-24	28

ANS:

```
mysql> select * from courses where start_date > curdate();
+-----+-----+-----+-----+-----+-----+-----+
| course_id | course_name | description | fees | start_date | end_date | video_expire_days |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | MERN | It is Full stack development course | 5000 | 2026-01-05 | 2026-02-05 | 5 |
| 2 | AI | It is Artificial Intelligence course | 7000 | 2026-01-04 | 2026-02-04 | 10 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Q2. Write a Sql query that will fetch all the registered students along with course name

reg_no	name	email	mobile_no	course_id	course_name
1	student1	s1	123456	1	IIT-MERN-2025
3	student3	s3	123456	1	IIT-MERN-2025
6	student2	s2	123456	3	IIT-MERN-2025-July

ANS:

```
mysql> select reg_no, name, email, mobile_no, c.course_id, course_name from courses c inner join students s on c.course_id=s.course_id;
+-----+-----+-----+-----+-----+-----+
| reg_no | name   | email            | mobile_no | course_id | course_name |
+-----+-----+-----+-----+-----+-----+
|    101 | Vijaya | vijayapawar@gmail.com | 8767104 |      1 | MERN       |
|    102 | Runali | runaliramdruge@gmail.com | 963745  |      3 | DS          |
|    103 | Ankita | ankitab@gmail.com     | 412280  |      2 | AI          |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Q3. Write an SQL query to fetch the complete details of a student (based on their email) along with the details of the course they are enrolled in.

reg_no	name	email	mobile_no	course_id	course_name	description	fees	start_date	end_date	video_expire_days
1	student1	s1	123456	1	IIT-MERN-2025	MERN	4000	2025-12-28	2026-01-20	30

ANS :

Q4. Write an SQL query to retrieve the course details and the list of non-expired videos for a specific student using their email address. A video is considered active (not expired) if its added_at date plus the course's video_expire_days has not yet passed compared to the current date.

Example: A video added on 2025-01-01 with 30 video_expire_days remains active until 2025-01-31.

course_id	course_name	start_date	end_date	video_expire_days	video_id	title	added_at
1	IIT-MERN-2025	2025-12-28	2026-01-28	30	12	MERN video 6	2025-11-26 23:36:18
1	IIT-MERN-2025	2025-12-28	2026-01-28	30	14	MERN 18	2025-11-26 23:52:13

ANS :

```
mysql> select s.reg_no,s.name,s.email,c.course_id,c.course_name,v.video_id,v.title,v.added_at from students s join courses c on s.course_id = c.course_id join videos v on v.course_id = c.course_id where s.email='vijayapawar@gmail.com' and date_add(v.added_at,interval c.video_expire_days day) >= curdate();
+-----+-----+-----+-----+-----+-----+-----+-----+
| reg_no | name | email          | course_id | course_name | video_id | title        | added_at      |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 101    | Vijaya | vijayapawar@gmail.com | 1 | MERN       | 201     | MERN Video   | 2025-12-12 |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)
```