

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	20

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	runaliramdurge@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	2025-12-20	2026-01-20	30

ANS :

```
mysql> select reg_no,name,email,mobile_no,c.course_id,description,fees,start_date,end_date,video_expire_days from courses c join students s on c.course_id=s.course_id;
```

reg_no	name	email	mobile_no	course_id	description	fees	start_date	end_date	video_expire_days
101	Vijaya	vijayapawar@gmail.com	8767104	1	It is Full stack development course	5000	2026-01-05	2026-02-05	5
102	Runali	runaliramdurge@gmail.com	963745	3	It is Data Science Course	6000	2025-12-10	2026-01-10	12
103	Ankita	ankitab@gmail.com	412280	2	It is Artificial Intelligence course	7000	2026-01-04	2026-02-04	10

3 rows in set (0.00 sec)

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	2025-12-20	2026-01-20	30	12	MERN video 6	2025-11-26 23:36:18
1	IIT-MERN-2025	2025-12-20	2026-01-20	30	14	MERN 10	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)