



# الجامعة الإسلامية العالمية ماليزيا

## QUIZ 1

NAME: \_\_\_\_\_

MATRIC NO: \_\_\_\_\_

Assume you have the following tables.

**Note:** Not all students have an advisor, and not all advisors are assigned to students.

select \* from advisors;

ADVISOR_ID	FIRST_NAME	LAST_NAME
1	Jamal	Fareed
2	Aaliya	Kareem
3	Lina	Aamir
4	Aneesa	Waheed

4 rows selected.

select \* from students;

STUDENT_ID	FIRST_NAME	LAST_NAME	ADVISOR_ID
1	Tasha	Bakri	2
2	Jana	Nick	
3	Tasneem	Wahid	3
4	Aaqil	Ghazi	1
5	Farhan	Zaeem	1

5 rows selected.

1. Write a query that lists the students' and advisors' names **excluding** students who are not assigned to an advisor.

**Expected Output:**

STUDENT_NAME	ADVISOR_NAME
Tasha Bakri	Aaliya Kareem
Tasneem Wahid	Lina Aamir
Aaqil Ghazi	Jamal Fareed
Farhan Zaeem	Jamal Fareed

4 rows selected.

### SOLUTION:

```
SELECT s.first_name||' '||s.last_name AS student_name, a.first_name||' '||a.last_name AS advisor_name
FROM students s
INNER JOIN advisors a
ON s.advisor_id = a.advisor_id;
```

2. Write a query that lists the students' and advisors' names **including** students who are not assigned to an advisor.

**Expected Output:**

STUDENT_NAME	ADVISOR_NAME
Aaqil Ghazi	Jamal Fareed
Farhan Zaeem	Jamal Fareed
Tasha Bakri	Aaliya Kareem
Tasneem Wahid	Lina Aamir
Jana Nick	

5 rows selected.

**SOLUTION:**

```
SELECT s.first_name||' '||s.last_name AS student_name, a.first_name||' '||a.last_name AS advisor_name
FROM students s
LEFT JOIN advisors a
ON s.advisor_id = a.advisor_id;
```

3. Write a query that lists the students' and advisors' names **including** advisors who are not assigned to any students.

**Expected Output:**

STUDENT_NAME	ADVISOR_NAME
Tasha Bakri	Aaliya Kareem
Tasneem Wahid	Lina Aamir
Aaqil Ghazi	Jamal Fareed
Farhan Zaeem	Jamal Fareed
	Aneesa Waheed

5 rows selected.

**SOLUTION:**

```
SELECT s.first_name||' '||s.last_name AS student_name, a.first_name||' '||a.last_name AS advisor_name
FROM students s
RIGHT JOIN advisors a
ON s.advisor_id = a.advisor_id;
```