

## Exercise - 2

Answers:

```
SELECT customer_id, COUNT(order_id) AS total_orders
FROM orders
GROUP BY customer_id; -- query-1
```

```
SELECT p.product_id, p.product_name
FROM products p
LEFT JOIN order_items oi ON p.product_id = oi.product_id
WHERE oi.order_item_id IS null; -- query-2
```

## Exercise -3

Answers:

```
select student_id,count(course_id) from enrollments
group by student_id; -- query-1
```

```
SELECT course_id, course_name FROM courses
WHERE professor_id IN
(SELECT professor_id FROM professors
WHERE department = 'Computer Science'); -- query-2
```

```
select course_id,avg(grade) from enrollments
group by course_id; -- query-3
```

```
SELECT student_id
FROM enrollments
GROUP BY student_id
HAVING COUNT(enrollments.course_id)>3; -- query-4
```

