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| Tasks |
|  | -- 1) How many orders were received for products with a category\_id = 2 |
|  | Select \* from orders Where category\_id = 2 |
|  | -- 2) How many orders were received with a category\_id of either 2, 4, or 5 |
|  | Select \* from orders Where category\_id in (2,4,5) |
|  | -- 3) How many orders are there with a price over £35.00 |
|  | select \* from orders where price > 35 |
|  | -- 4) How many orders are there where the customer has a date of birth before 1st January 1980 and want to receive the newsletter |
|  | select \* from orders where date\_of\_birth < 1980-01-01 and newsletter = 1 |
|  | -- 5) How many customers named Davenport placed orders? |
|  | select \* from orders where customer\_firstname = 'Davenport' or customer\_surname = 'Davenport' |
|  | -- 6) Which customer with a firstname starting with 'Br', had the most orders |
|  | select \* from orders where customer\_firstname like 'Br%' |
|  | -- 7) List all orders with products from category 3 by order of price, highest first. |
|  | select \* from orders where category\_id = 3 order by price DESC |
|  | -- 8) Select the following fields from all orders (trans\_date, price, promo\_code) renaming the colum (field) headings ('Transaction Date', 'Price' & 'Promotion Code')  SELECT `trans\_date` as 'Transaction Date', `price` as 'Price', `promo\_code` as 'Promotion Code' FROM `orders` |
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|  | -- 9) Select the following fields (customer\_surname, customer\_firstname, county) from all orders, with customer names in a single field named 'Customer Name' and in the format <Surname>, <Firstname>, with surname capitalised. The county field is to be renamed 'County'. |
|  | SELECT CONCAT(upper(`customer\_firstname`),' ', `customer\_surname`) as 'Customer name', `county` as 'County' FROM `orders` |
|  | -- 10) Select the average price, minimum price & maximum price for each category. |
|  | SELECT `category\_id`, COUNT(\*), SUM(`price`), AVG(`price`), MIN(`price`), MAX(`price`) FROM `orders` GROUP BY `category\_id`  ; |
|  | -- 11) Select the category\_name (labelled 'Category', number of sales (labelled 'Total Orders') & total sales (labelled 'Total Sales') for each category. |
|  | SELECT `category\_id`as 'Category', COUNT(\*) as 'Total Orders', SUM(`price`)as 'Total Sales' FROM `orders` GROUP BY `category\_id` |
|  | -- 12) List all orders with the following fields (with the labls given) orders.trans\_date('Transaction Date'), categories.category\_name('Category'), orders.customer\_surname('Surname'), orders.customer\_firstname('Firstname'), orders.price('Order Price'), categories.category\_name('Category'), promotions.discount('Discounted by') |
|  | SELECT `trans\_date` as 'Transaction Date', `customer\_surname` as 'Surname', `customer\_firstname` as 'Firstname', `price` as 'Order Price', `promo\_code` as 'Discounted by' FROM `orders` |