Week04 – SQL - QUESTIONS

These questions and queries cover a wide range of scenarios commonly encountered in a MKTIME database, utilising joins, subqueries, and aggregate functions to extract meaningful output from the database.

1. List all products.

|  |  |  |
| --- | --- | --- |
| Code | Expected Answer | Actual Answer |
| SELECT \* FROM books | How many records you expect to display:  10 | 10 rows retrieved |

2. Find the total sales amount for each product.

|  |  |  |
| --- | --- | --- |
| Code | Expected Answer | Actual Answer |
| SELECT order\_details.book\_id, books.book\_name, SUM(order\_details.item\_price) FROM order\_details INNER JOIN books ON books.book\_id = order\_details.book\_id GROUP BY book\_id; | How many records you expect to display:  8 |  |

3. List all users who made purchase on 3rd May 2023.

|  |  |  |
| --- | --- | --- |
| Code | Expected Answer | Actual Answer |
|  | How many records you expect to display:  8 |  |

4. Find the top 5 costing items.

5. List all items and who purchased those items.

6. Find the total order value for each user.

7. List all products with their corresponding orders.

8. Find the customer who spent the most in total.

9. Find the top 3 categories with the highest total sales.

11. List all orders made by a specific customer (e.g., John Doe).

12. Find the number of orders placed by user\_id = 2.

13. List all items with their respective quantities sold.

14. Find the total sales made by each user.