**Exercise -1**

Create a following **salesdata** table.

|  |  |  |
| --- | --- | --- |
| **Column Name** | **Data Type** | **Constraints** |
| sale\_id | INT | Primary Key |
| product\_id | INT | Foreign Key (if linked to a Products table) |
| quantity\_sold | INT | Must be ≥ 1 |
| sale\_amount | INT | Must be ≥ 0 |
| sale\_date | DATE | Not NULL |
| region | VARCHAR(50) |  |

**Table: SalesData**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **sale\_id** | **product\_id** | **quantity\_sold** | **sale\_amount** | **sale\_date** | **region** |
| 1 | 101 | 5 | 250 | 2024-01-10 | North |
| 2 | 102 | 2 | 100 | 2024-01-12 | South |
| 3 | 103 | 10 | 500 | 2024-01-15 | East |
| 4 | 101 | 3 | 150 | 2024-02-01 | North |
| 5 | 104 | 1 | 50 | 2024-02-05 | West |

**Perform the following Queries.**

1. **Find the total sales amount across all regions.**
2. **Calculate the average sale amount per transaction.**
3. **Identify the highest sale amount recorded.**
4. **Find the smallest sale amount.**
5. **Calculate the total number of units sold.**
6. **Count the total number of sales transactions.**
7. **Find the total sales amount for each region.**