SQL Assignment: products Table

Task 1: Create a Table Create a table named products with the following columns: product\_id (INT, Primary Key) product\_name (VARCHAR) category (VARCHAR) price (DECIMAL) stock\_quantity (INT) added\_date (DATE)

Create table products(product\_id int primary key,product\_name varchar(100),category varchar(100),price decimal(10,2),stock\_quality int,added\_date date);

Task 2: Insert Records Insert at least 5 different products, each with a unique category and price range. Use realistic product names (e.g., headphones, mouse, laptop, etc.).

Insert into products(product\_id,product\_name,category,price,stock\_quality,added\_date) values (1,’headphones’,’electronics’,1000.00,25,’2025-03-12’),

(2,’office chair’,’furniture’,4000.00,12,’2025-02-10’),

(3,’smartphone’,’mobiles’,’30000.00,6,’2024-10-23’),

(4,’running shoes’,’footwear’,’2002.00,’5,’2025-12-06’),

(5,’study lamp’,’appliances’,’40000.00,’14’,’2023-06-24’);

Task 3: Write Queries 1. List all products.

Select \* from products;

2. Display only product\_name and price .

Select product\_name,price from products;

3. Find products with stock\_quantity less than 10.

Select \* from product where stock\_quality<10;

4. Find products with price between 500 and 2000.

Select \* from products where price between 500 and 2000;

5. Show products added after 2023-01-01 .

Select \* from products where added\_date>’2023-01-01’;

6. List all products whose names start with ‘S’.

Select \* from products where product\_name like ‘s%’;

7. Show all products that belong to either Electronics or Furniture .

Select \* from products where category in (‘electronics or furniture’);

Task 4: Update & Delete

1. Update the price of one product.

Update products set price=10000.00 where product\_id=1;

2. Increase stock of all products in a specific category by 5.

Update products set stoct\_quality=stock\_quality+5 where category=’laptop’;

3. Delete one product based on its product\_id .

Delete \* from product where product\_id=5;

4. Delete all products with stock\_quantity = 0.

Select \* from products where stock\_quality=0;