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Topic : DATABASE SQL2 PART 2 LAB .

* DATA MANIPULATION LANGUAGE - PART 2 .

* Part 1 : Updating rows to the system .

1. Content of the price-history table.

START - DATE	TO-CHAR (START-TIME, 'HH24:MI:SS')	PRICE	END-DATE	TO-CHAR (START-TIME, 'HH24:MI:SS')
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	149	-	-

2. Adding system date values to the end-date and end-time fields.

UPDATE price-history

SET end-date = CURRENT_DATE, end-time = CURRENT-TIMESTAMP

WHERE itm-number = 'im01101044' AND end-date IS NULL;

3. Rerun the select statement. = SELECT * FROM price-history;

START-DATE	START-TIME	PRICE	END-DATE	END-TIME	ITM-NUMBER
17-JUN-17	17-JUN-16	4.99	09-NOV-23	09-NOV-23	im01101044
25-NOV-16	25-NOV-16	14.99	25-JAN-17	25-JAN-17	im01101045
25-JAN-17	25-JAN-17	8.99	25-JAN-17	25-JAN-17	im01101045
26-JAN-17	26-JAN-17	15.99	-	-	im01101045
12-FEB-17	12-FEB-17	7.99	-	-	im01101046
25-APR-17	25-APR-17	24.99	-	-	im01101047
31-MAY-17	31-MAY-17	149	-	-	im01101048

4. Insert a new row.

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INSERT INTO price-history (start-date, start-time, price, itm-number)
VALUES (CURRENT-DATE, CURRENT-TIMESTAMP, 99.99, 'im01101046');
```

5. Run the select statement.

START-DATE	START-TIME	PRICE	END-DATE	END-TIME	ITM-NUMBER
09-NOV-23	09-NOV-23	99.99	-	-	im01101046
17-JUN-17	17-JUN-17	4.99	09-NOV-23	09-NOV-23	im01101044
25-NOV-16	25-NOV-16	14.99	25-JAN-17	25-JAN-17	im01101045
25-JAN-17	25-JAN-17	8.99	25-JAN-17	25-JAN-17	im01101045
26-JAN-17	26-JAN-17	15.99	-	-	im01101045
12-FEB-17	12-FEB-17	7.99	-	-	im01101046
25-APR-17	25-APR-17	24.99	-	-	im01101047
31-MAY-17	31-MAY-17	149	-	-	im01101048

* Part 2: deleting rows from the system.

1. Removing 83 Barrhill Drive address.

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DELETE FROM customers_addresses
WHERE address_line_1 = '83 Barrhill Drive';
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2. Run a select statement. = SELECT * FROM customers_addresses;

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP-CODE	CTR-NUMBER
ca0102	17 Gartsquare Road	Starford	Liverpool	LP89JHK	C00001
ca0103	54 Ropehill Crescent	Georgetown	Star	ST45AHV	C00101
ca0104	36 Watercross Lane	-	Jump	JP23YTH	C01981
ca0105	63 Acanin Drive	skins	Liverpool	LP83JHR	C00001