

Lab 4

Q1) --INSERT INTO fruits (fruit_id, F_name, color, taste, season)

--VALUES(8, 'Avocado', 'green','sweet and creamy', 'fall');

Fruits				
fruit_id	F_name	color	taste	season
1	Apple	Red	Sweet	Autumn
2	Banana	Yellow	Sweet	All year round
3	Orange	Orange	Sweet	Winter
4	Strawberry	Red	Sweet	Spring
5	Blueberry	Blue	Sweet	Summer
6	Pineapple	Yellow	Sweet and tangy	All year round
7	Mango	Yellow	Sweet	Summer
8	Avocado	green	sweet and creamy	fall

Q2)--select * from fruits

--where F_name LIKE 'A%';

Output				
fruit_id	F_name	color	taste	season
1	Apple	Red	Sweet	Autumn
8	Avocado	green	sweet and creamy	fall

```
Q3) --SELECT f.F_name AS Fruit_Name, fn.amount AS Vitamin_C_Amount, f.taste
--FROM fruits f
--JOIN fruit_nutrients fn ON f.fruit_id = fn.fruit_id
--where fn.nutrient_id = 1;
```

Output

Fruit_Name	Vitamin_C_Amount	taste
Apple	12	Sweet
Banana	10	Sweet
Orange	60	Sweet

Q4) --UPDATE fruits

--SET taste = 'Tart'

--where fruit_id = 5;

Fruits

fruit_id	F_name	color	taste	season
1	Apple	Red	Sweet	Autumn
2	Banana	Yellow	Sweet	All year round
3	Orange	Orange	Sweet	Winter
4	Strawberry	Red	Sweet	Spring
5	Blueberry	Blue	Tart	Summer
6	Pineapple	Yellow	Sweet and tangy	All year round
7	Mango	Yellow	Sweet	Summer
8	Avocado	green	sweet and creamy	fall

Q5) --DELETE FROM fruit_nutrients

--WHERE fruit_id = 3;

Fruit_nutrients		
fruit_id	nutrient_id	amount
1	1	12
1	2	195
1	3	4
2	1	10
2	2	420
2	3	3

Q6) --SELECT AVG(amount) AS Avg_Vitamin_C

--FROM fruit_nutrients

--where nutrient_id = 1;

Output

Avg_Vitamin_C
11

```
Q7) SELECT f.F_name, fn.amount
FROM fruits f
JOIN fruit_nutrients fn ON f.fruit_id = fn.fruit_id
WHERE f.color = 'Red' AND f.taste = 'Sweet'
ORDER BY fn.amount DESC;
```

Output

F_name	amount
Apple	195
Apple	12
Apple	4