

Let's assume a scenario. A customer will search for specific crops and related information. Then he/she will buy that crop. The operations will update the existing data in the database.

1. A customer will look for different crops stored in the system.

```
-- A customer will look for different crops stored in the system
Select Distinct cropType from crop;
```

cropType
cereal
fruit
oil and bean
vegetable
rice

2. Now, he/she will only look for the durian (fruit) and related farmers.

```
Select * from crop
Where cropType = 'fruit' and cropName = 'durian';
```

cropId	cropName	cropQuantity	cropType	cropDescription	priceperUnit	farmerId
7	durian	521	fruit	a pede posuere nonummy	90.58	33
13	durian	733	fruit	quam pede lobortis ligula	81.95	40
24	durian	668	fruit	NULL	98.92	23
41	durian	707	fruit	NULL	92.37	66
42	durian	922	fruit	NULL	41.1	54
58	durian	435	fruit	NULL	71.37	60
59	durian	595	fruit	curae donec pharetra magna	94.26	6
75	durian	948	fruit	NULL	93.7	74
77	durian	336	fruit	mollis molestie lorem	43.6	91
NULL	NULL	NULL	NULL	NULL	NULL	NULL

3. Now he will select the farmers with durian and farmers' rating >= 3

```
15 • Select c.cropId, c.cropName, c.priceperUnit, c.farmerId, f.farmerFName, f.farmerLName, f.farmerLocation
16 From crop c
17 Left Join farmer f
18 ON c.farmerId = f.farmerId
19 Where (cropType = 'fruit' and cropName = 'durian') and
20 f.farmerId IN (Select f2.farmerId From farmer f2 Where f2.farmerRating >= 3);
--
```

cropId	cropName	priceperUnit	farmerId	farmerFName	farmerLName	farmerLocation
7	durian	90.58	33	Niki	Dunford	41 Charing Cross Way
24	durian	98.92	23	Olympe	Matelyunas	1 Debra Court
41	durian	92.37	66	Patrizia	Clutram	24 Dakota Junction
42	durian	41.1	54	Enrichetta	Smille	70881 Linden Road
59	durian	94.26	6	Holmes	Pleasants	42667 Monument Street
77	durian	43.6	91	Gayler	Borg	437 Granby Point

- Now customer will buy durian from farmerId 33. Before that get some information about that farmer.

```
Select * from farmer Where farmerId = 33;
```

	farmerId	farmerFName	farmerMName	farmerLName	farmerPhone	farmerLocation	farmerGender	farmerRating
▶	33	Niki	Laila	Dunford	437-510-0222	41 Charing Cross Way	Male	3
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Let's check the crop information of that farmer.

```
-- crop list of farmerId 33
```

```
Select * from crop Where farmerId = 33;
```

	cropId	cropName	cropQuantity	cropType	cropDescription	priceperUnit	farmerId
▶	7	durian	521	fruit	a pede posuere nonummy	90.58	33
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Right now the farmer has 521 cropQuantity of durian. Let's assume customer 20 will buy 30 quantity from him.

```
insert into fff.salesData (farmerId, customerId, cropId, salesQuantity, deliveryDate, orderDate, saleAmount) values (33, 20, 7, 30, '2022-09-08', '2022-08-08', 2715);
```

Then assume that payment for this transaction is done.

```
-- update payment
```

```
insert into fff.payment (customerId, farmerId, cropId, paymentStatus, paymentDate) values (20, 33, 7, 'Done', '2022-09-08');
```

Verify that payment is updated.

```
Select * from payment
Where customerId = 20;
```

	paymentId	customerId	farmerId	cropId	paymentStatus	paymentDate
▶	95	20	19	25	Done	2022-06-26 00:00:00
	104	20	33	7	Done	2022-09-08 00:00:00
*	NULL	NULL	NULL	NULL	NULL	NULL

- Now update crop of farmerId 33 . $521 - 30 = 491$

```

Update crop
Set cropQuantity = 491
Where cropId = 7 and farmerId = 33;







```

Check that the crop is updated for farmerId 33.

```

48 • Select * from crop Where farmerId = 33;
49

```

Result Grid							
Filter Rows: <input type="text"/>							
Edit:   							
Export/Import:  							
Wrap Cell Content: 							
	cropId	cropName	cropQuantity	cropType	cropDescription	priceperUnit	farmerId
▶	7	durian	491	fruit	a pede posuere nonummy	90.58	33
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Customer Analysis


1. From Which location we are getting more customers.


```

91 -- From which location we are getting more customers
92 • Select count(*) as TotalCustomer, customerLocation
93 From customer
94 Group By customerLocation
95 Order By TotalCustomer DESC;
96


```


Result Grid





Filter Rows:

Export: 

Wrap Cell Content: 

	TotalCustomer	customerLocation
▶	6	93959 Algoma Lane
	5	272 Golf Trail
	4	62 Jana Lane
	4	59 Barby Avenue
	1	49042 Stephen Hill
	1	17553 Mcquire Lane
	1	502 Sachtjen Trail
	1	49136 Delladonna Center
	1	71442 Milwaukee Park
	1	901 Katie Circle
	1	450 Vernon Point
	1	7963 Eggendart Parkway

2. No. of customers by gender

```
101 • Select customerGender, count(*) as TotalCustomer
102 From customer
103 Where customerGender = 'Male' or customerGender = 'Female'
104 Group By customerGender;
105
106
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	customerGender	TotalCustomer		
▶	Male	53		
	Female	40		

3. No. of customers group by Age

```
111 • select
112 (select count(customerId) From customer Where customerAge >= 18 and customerAge <=30) as 'Young Customers (18-30)',
113 (select count(customerId) From customer Where customerAge >= 31 and customerAge <=50) as 'Middle Aged Customers (31-50)',
114 (select count(customerId) From customer Where customerAge >= 51 and customerAge <=85) as 'Old Customers (51 and above)';
115
116
```

Result Grid				Filter Rows:	Export:	Wrap Cell Content:
	Young Customers (18-30)	Middle Aged Customers (31-50)	Old Customers (51 and above)			
▶	15	39	46			

4. No. of orders group by gender

```
118 • Select c.customerGender, count(*) as TotalOrder
119 From salesData sd
120 Inner Join customer c
121 ON c.customerId = sd.customerId
122 Group By c.customerGender;
```

Result Grid			Filter Rows:	Export:	Wrap Cell Con
	customerGender	TotalOrder			
▶	Male	57			
	Female	45			
	Non-binary	1			
	Agender	1			

5. Top 5 customers who ordered the most.

```

126 • Select c.customerId, concat(c.customerFName, ' ', c.customerLName) as CustomerName ,c.customerGender,
127 c.customerLocation, count(*) as TotalOrder
128 From salesData sd
129 Inner Join customer C
130 ON sd.customerId = c.customerId
131 Group By c.customerId
132 Order By TotalOrder DESC LIMIT 5;

```

	customerId	CustomerName	customerGender	customerLocation	TotalOrder
▶	38	Sidnee De Filippo	Male	5 Ridgeway Street	3
	57	Gay McLurg	Male	0 Ryan Alley	3
	23	Clara Wingatt	Female	71442 Milwaukee Park	3
	26	Shaylyn Niblo	Female	7963 Eggendart Parkway	3
	62	Doy Meadway	Male	5236 Hollow Ridge Place	3

Farmer Analysis

1. Farmer with specific crop

```

139 • Select f.farmerFName, f.farmerLName, f.farmerLocation, f.farmerPhone, c.cropName, c.cropQuantity, c.priceperUnit
140 From farmer f
141 Inner Join Crop c
142 ON c.farmerId = f.farmerId
143 Where c.cropName = 'potato';

```

	farmerFName	farmerLName	farmerLocation	farmerPhone	cropName	cropQuantity	priceperUnit
▶	Carmine	Uden	181 High Crossing Lane	408-623-6715	potato	385	56.33
	Carmine	Uden	181 High Crossing Lane	408-623-6715	potato	402	51.7
	Maurise	Twist	14 Bay Junction	107-818-3206	potato	119	9.79
	Fidelity	Jentgens	8 Burrows Pass	658-364-9030	potato	947	49.94
	Niel	Pepperrall	2496 Hoard Crossing	177-371-9035	potato	991	89.73
	Evin	Kleinpeltz	006 8th Place	517-502-8673	potato	539	16.5
	Kimbra	Kachel	18 Farragut Center	411-868-8170	potato	580	17.32
	Rolie	Josipovitz	3541 Darwin Road	228-835-2278	potato	640	65.81
	Morly	Rizzo	69463 Grim Parkway	151-118-3008	potato	877	38.28

2. Farmer with rating >= 3

```

147 • Select * from farmer
148 Where farmerRating >= 3
149 Order by farmerRating DESC;

```

	farmerId	farmerFName	farmerMName	farmerLName	farmerPhone	farmerLocation	farmerGender	farmerRating
▶	34	Ezechiele	Lyséa	Lillicrop	893-496-5907	90598 Shelley Road	Male	5
	57	Valentine	Estée	Batchelar	240-638-4020	365 Fordem Hill	Bigender	5
	80	Dall	Caméla	Eynaud	704-802-4625	021 North Plaza	Male	5
	79	Buiron	Maily	O'Breen	853-134-3040	5 Westend Plaza	Male	5
	70	Rollin	Méla	Aldridge	712-982-6024	4000 New Castle Trail	Male	5
	10	Kessia	André	Grimmer	865-860-6084	715 School Park	Female	5
	41	Neil	Maily	Aust	966-980-9735	3554 Stephen Junction	Genderfluid	5
	89	Baron	Yú	Bartolacci	342-549-5873	994 Arizona Junction	Male	5
	17	Irwin	Kuí	Pettingall	489-385-5825	3171 Village Green Parkway	Male	5
	18	Avrom	Frédérique	Selick	491-384-7306	3 Glendale Place	Male	5
	78	Hollyanne	Börje	Lethebridge	561-780-5255	86 Chinook Alley	Female	5
	42	Mariellen	Médiamass	Wells	744-389-8949	738 Dawn Avenue	Female	5

3. Farmer's sales data for August 2022

```
151 -- farmer's sales data for August 2022
152 • select farmerId, sum(saleAmount) as TotalSales
153 from salesData
154 where deliveryDate > '2022-07-31' and deliveryDate < '2022-09-01'
155 group by farmerId;
156
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

	farmerId	TotalSales
▶	1	114
	6	403
	28	471
	36	252
	51	100
	60	275
	63	145
	68	390
	74	272
	87	450

4. Top 5 farmers with most sale in the August 2022

```
160 • Select f.farmerId, f.farmerFName, SUM(sd.salesQuantity) as TotalSale
161 From salesData sd
162 Inner Join farmer f
163 ON sd.farmerId = f.farmerId
164 Inner Join crop c
165 ON c.farmerId = f.farmerId
166 Where sd.deliveryDate Between '2022-08-01' and '2022-08-31'
167 Group By f.farmerId
168 Order By TotalSale DESC LIMIT 5;
169
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#) | Fetch rows:

	farmerId	farmerFName	TotalSale
▶	87	Rollie	244
	6	Holmes	106
	60	Davide	71
	1	Albin	65
	63	Fidelity	59

5. Male, female or other gender who is having rating ≥ 4 . We see that in terms of high rating male and female gender having almost similar value.

```
171 • Select farmerGender, Count(*) as TotalNo
172 From farmer
173 Where farmerRating >= 4
174 Group By farmerGender;
175
```

farmerGender	TotalNo
Male	19
Female	18
Polygender	1
Agender	1
Genderfluid	1
Bigender	2
Genderqueer	1

6. Search farmers first name start with M and sell fruit.

```
17 • SELECT n.* FROM
18 (SELECT f.farmerId, CONCAT(COALESCE(f.farmerFName, ' '), ' ', COALESCE(f.farmerMName, ' '), ' ',
19 COALESCE(f.farmerLName, ' ')) AS farmerName,
20 cr.cropName, cr.cropQuantity, cr.cropDescription, cr.priceperUnit FROM farmer f
21 LEFT JOIN crop cr ON cr.farmerId = f.farmerId
22 WHERE cr.cropType = 'fruit'
23 GROUP BY cr.cropId) AS n
24 WHERE n.farmerName LIKE 'M%';
```

farmerId	farmerName	cropName	cropQuantity	cropDescription	priceperUnit
13	Malchy Josée Blennerhassett	mangosteen	638	magna bibendum imperdiet nullam orci	51.32
29	Max Kù Berrey	mango	883	hac habitasse platea dictumst aliquam	54.24
12	Maurise Håkan Twist	papaya	426	odio odio elementum eu	41.27
56	Meghann Làì Gartshore	mangosteen	477	potenti nullam porttitor lacus	62.15
13	Malchy Josée Blennerhassett	rambutan	807	NULL	76.08
96	Marillin Wá Korbmaker	mango	678	aliquam augue quam	7.93
84	Matthew Angélique Glazebrook	mango	742	ipsum aliquam non	70.05
72	Marga Östen Sigsworth	banana	981	lacinia aenean sit amet	1.93
96	Marillin Wá Korbmaker	mangosteen	287	lacus curabitur at ipsum ac	59.47

7. Search farmers who sell mango from cheap to expensive.

```

29 SELECT f.farmerId, CONCAT(COALESCE(f.farmerFName, ' '), ' ', COALESCE(f.farmerMName, ' '), ' ',
30 COALESCE(f.farmerLName, ' ')) AS farmerName,
31 cr.cropName, cr.cropQuantity, cr.cropDescription, cr.priceperUnit FROM farmer f
32 LEFT JOIN crop cr ON cr.farmerId = f.farmerId
33 WHERE cr.cropName = 'mango'
34 GROUP BY cr.cropId ORDER BY cr.priceperUnit ASC;
35
36 -- *****

```

	farmerId	farmerName	cropName	cropQuantity	cropDescription	priceperUnit
▶	96	Marillin Wá Korbmaker	mango	678	aliquam augue quam	7.93
	35	Lexy Bérénice Yqgo	mango	959	vulputate ut ultrices vel	13.32
	38	Hedwig Inès Maudlen	mango	153	sollicitudin ut suscipit	14.84
	86	Niel Cunégonde Pepperrall	mango	532	suspendisse ornare consequat lectus	16.02
	32	Abbi Mailys Dehn	mango	175	NULL	19.06
	27	Jenica Clélia Glyde	mango	981	penatibus et magnis dis	19.62
	61	Pammie Erwéi Schubuser	mango	319	turpis enim blandit mi in	39.75
	46	Gasparo Lèi Harlow	mango	904	scelerisque mauris sit amet eros	45.84
	70	Rollin Mélia Aldridge	mango	504	aliquam non mauris	47.15
	29	Max Kù Berrey	mango	883	hac habitasse platea dictumst aliquam	54.24
	51	Isiahi Véronique Bellenger	mango	646	NULL	59.72
	84	Matthew Angélique Glaze...	mango	742	ipsum aliquam non	70.05

Crop Analysis

1. Available crop type and the names

```

181 Select Distinct cropType, cropName
182 From crop
183 Order by cropType;

```

	cropType	cropName
▶	cereal	barley
	cereal	corn
	cereal	oat
	cereal	wheat
	fruit	banana
	fruit	durian
	fruit	mango
	fruit	mangosteen
	fruit	papaya
	fruit	rambutan
	oil and b...	peanut
	oil and b...	soyabean

2. Average prices of different types of fruits


```

187 • Select cropType, cropName, cropDescription, avg(priceperUnit)
188 From crop
189 Where cropType = 'fruit'
190 Group By cropName
191 Order by priceperUnit DESC;
192

```

cropType	cropName	cropDescription	avg(priceperUnit)
fruit	durian	a pede posuere nonummy	78.6499998304579
fruit	papaya	NULL	52.6879997253418
fruit	banana	NULL	34.802856768880574
fruit	mangosteen	NULL	57.78466691970825
fruit	rambutan	molestie nibh in	41.610000133514404
fruit	mango	turpis enim blandit mi in	41.108572244644165

3. Average prices of different cereal type crops

```

195 • Select cropType, cropName, cropDescription, avg(priceperUnit)
196 From crop
197 Where cropType = 'cereal'
198 Group By cropName
199 Order by priceperUnit DESC;

```





cropType	cropName	cropDescription	avg(priceperUnit)
cereal	oat	NULL	53.75857087544033
cereal	wheat	suscipit a feugiat et eros	48.78900012969971
cereal	corn	NULL	46.968571935381206
cereal	barley	NULL	43.05888901816474

4. Top 10 crop with best sales in 2022

```

203 • Select c.cropName, c.farmerId, sum(sd.salesQuantity) as TotalSale
204 From crop c
205 Inner Join salesData sd
206 ON c.cropId = sd.cropId
207 Where deliveryDate > '2021-12-31'
208 Group BY c.cropName
209 Order BY TotalSale DESC LIMIT 10;
210

```

Result Grid   Filter Rows: <input type="text"/>				Export: 	Wrap Cell Content: 	Fetch rows
	cropName	farmerId	TotalSale			
▶	potato	12	469			
	rice	20	374			
	banana	27	306			
	mangosteen	90	294			
	durian	6	291			
	papaya	6	276			
	corn	29	228			
	peanut	99	171			
	rambutan	49	165			
	mango	38	152			

5. Top 10 crops with best sales in 2021

```

213 • Select c.cropName, c.farmerId, sum(sd.salesQuantity) as TotalSale
214 From crop c
215 Inner Join salesData sd
216 ON c.cropId = sd.cropId
217 Where deliveryDate >= '2021-01-01' and deliveryDate <= '2021-12-31'
218 Group By c.cropName
219 Order BY TotalSale DESC LIMIT 10;

```



Result Grid			
Filter Rows:		Export:	Wrap Cell Content: Fetch rows:
	cropName	farmerId	TotalSale
▶	mangosteen	35	433
	wheat	48	214
	tomato	23	191
	barley	48	190
	rambutan	18	175
	corn	92	169
	durian	33	165
	papaya	78	123
	mango	86	111
	rice	93	101

6. Crops sold in summer season.

```

233 • Select c.cropName, count(sd.cropId) as TotalFrequency_Summer_Season
234 From crop c
235 Inner Join salesData sd
236 ON c.cropId = sd.cropId
237 Where deliveryDate >= '2022-03-01' and deliveryDate <= '2022-05-31'
238 Group By c.cropName
239 Order By TotalFrequency_Summer_Season DESC;
240

```

Result Grid		
Filter Rows: <input type="text"/>		
Export:  Wrap Cell Content: 		
	cropName	TotalFrequency_Summer_Season
▶	rice	3
	durian	3
	mango	3
	banana	2
	tomato	1
	papaya	1
	oat	1
	mangosteen	1
	corn	1
	potato	1
	rambutan	1

7. Crops sold in winter season.

```

243 • Select c.cropName, count(sd.cropId) as TotalFrequency_Winter_Season
244 From crop c
245 Inner Join salesData sd
246 ON c.cropId = sd.cropId
247 Where deliveryDate >= '2021-11-01' and deliveryDate <= '2021-12-31'
248 Group By c.cropName
249 Order By TotalFrequency_Winter_Season DESC;

```

Result Grid   Filter Rows: Export:  Wrap Cell Content: 

	cropName	TotalFrequency_Winter_Season
▶	wheat	3
	tomato	3
	papaya	3
	rice	3
	barley	2
	mangosteen	2
	oat	1
	banana	1
	durian	1
	soyabean	1
	corn	1
	rambutan	1

8. Crops sold in rainy season.

```

253 • Select c.cropName, count(sd.cropId) as TotalFrequency_Rainy_Season
254 From crop c
255 Inner Join salesData sd
256 ON c.cropId = sd.cropId
257 Where deliveryDate >= '2021-06-01' and deliveryDate <= '2021-10-31'
258 Group By c.cropName
259 Order By TotalFrequency_Rainy_Season DESC;
260
261

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	cropName	TotalFrequency_Rainy_Season
▶	mangosteen	5
	durian	4
	wheat	2
	rambutan	2
	rice	1
	barley	1
	mango	1
	peanut	1
	banana	1
	corn	1

Sales Data Analysis

1. Sales data for the last 6 months

```

56 • Select sd.customerId, sd.cropId, c.cropType, c.cropName, c.cropQuantity, sd.salesQuantity, sd.saleAmount, sd.deliveryDate, sd.orderDate
57 from SalesData sd
58 Inner Join crop c
59 ON sd.cropId = c.cropId
60 Where deliveryDate >= '2022-03-01' and deliveryDate <= '2022-08-30';

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	customerId	cropId	cropType	cropName	cropQuantity	salesQuantity	saleAmount	deliveryDate	orderDate
▶	11	91	cereal	barley	558	76	307	2022-06-08 00:00:00	2022-08-08 00:00:00
	74	45	rice	rice	732	69	264	2022-03-25 00:00:00	2022-08-01 00:00:00
	84	27	fruit	banana	749	57	448	2022-03-30 00:00:00	2022-01-25 00:00:00
	53	98	rice	rice	674	99	253	2022-06-06 00:00:00	2022-07-21 00:00:00
	90	32	rice	rice	845	91	330	2022-05-02 00:00:00	2021-12-22 00:00:00
	93	80	fruit	mangosteen	695	84	298	2022-06-30 00:00:00	2022-07-18 00:00:00
	38	95	vegetable	tomato	690	83	326	2022-04-27 00:00:00	2022-03-09 00:00:00
	93	44	vegetable	potato	119	53	403	2022-08-15 00:00:00	2021-09-11 00:00:00
	87	59	fruit	durian	595	19	469	2022-05-29 00:00:00	2021-11-30 00:00:00
	24	58	fruit	durian	435	58	444	2022-04-29 00:00:00	2022-05-26 00:00:00
	44	88	rice	rice	638	8	179	2022-05-10 00:00:00	2021-10-07 00:00:00
	23	83	fruit	banana	981	65	114	2022-08-09 00:00:00	2021-10-14 00:00:00

2. Most sold crops in the last 6 months

```
72 • Select c.cropName, Sum(sd.salesQuantity) as TotalQuantity
73 From crop c
74 Inner Join salesData sd
75 ON c.cropId = sd.cropId
76 Where deliveryDate >= '2022-03-01' and deliveryDate <= '2022-08-30'
77 Group By c.cropName
78 Order BY TotalQuantity DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	cropName	TotalQuantity
▶	potato	370
	rice	336
	banana	306
	durian	261
	mangosteen	209
	corn	191
	mango	152
	wheat	124
	papaya	94
	barley	90
	tomato	83
	peanut	75

Result 48

3. Most sold (sort by crop type)

```

82 • Select c.cropType, SUM(sd.salesQuantity) as TotalQuantity
83 From crop c
84 Inner Join salesData sd
85 ON c.cropId = sd.cropId
86 Where deliveryDate >= '2022-03-01' and deliveryDate <= '2022-08-30'
87 Group BY c.cropType
88 Order BY TotalQuantity DESC;

```

Result Grid			Filter Rows:	Export:	Wrap Cell Content:
	cropType	TotalQuantity			
▶	fruit	1086			
	vegetable	453			
	cereal	448			
	rice	336			
	oil and bean	75			

4. Crops with least sales (in quantity)

```

295 • Select c.cropName, c.farmerId, sum(sd.salesQuantity) as Sale
296 From crop c
297 Inner Join salesData sd
298 ON c.cropId = sd.cropId
299 Group By c.cropName
300 Order BY Sale ASC;
301

```

Result Grid				Filter Rows:	Export:	Wrap Cell Content:
	cropName	farmerId	Sale			
▶	soyabean	76	67			
	oat	70	115			
	peanut	99	231			
	mango	86	263			
	tomato	23	274			
	barley	92	289			
	rambutan	49	340			
	wheat	48	347			
	corn	92	397			
	papaya	6	399			
	banana	27	402			
	durian	33	456			

5. Crops that was the most in quantity in one transaction

```
303 • Select c.cropName, sd.salesQuantity
304 From salesData sd
305 Inner Join crop c
306 On c.cropId = sd.cropId
307 Order By sd.salesQuantity DESC;
```

Result Grid		Filter Rows:	Export:
cropName	salesQuantity		
mangosteen	100		
durian	99		
rice	99		
potato	99		
corn	97		
mango	96		
peanut	96		
potato	95		
rambutan	93		
barley	92		
papaya	92		
corn	92		

Result 51 x

6. Crops that were delivered in the last 20 days

```
311 • Select sd.salesId, sd.cropId, c.cropName, sd.farmerId, sd.deliveryDate
312 From salesData sd
313 Inner Join crop c
314 ON c.cropId = sd.cropId
315 Where TIMESTAMPDIFF(DAY, deliveryDate, now()) <= 20;
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
salesId	cropId	cropName	farmerId	deliveryDate
7	12	rambutan	13	2022-09-05 00:00:00
63	3	oat	44	2022-09-07 00:00:00
71	42	durian	36	2022-08-24 00:00:00
76	4	mangosteen	51	2022-08-31 00:00:00
79	39	wheat	60	2022-08-27 00:00:00
87	13	durian	87	2022-08-25 00:00:00
90	14	banana	68	2022-08-26 00:00:00
104	7	durian	33	2022-09-08 00:00:00

7. Which farmer sold durian most

```
319 • Select f.farmerId, f.farmerFName, sum(sd.salesQuantity) as Total
320 From farmer f
321 Inner Join salesData sd
322 ON sd.farmerId = f.farmerId
323 Inner Join crop c
324 ON c.cropId = sd.cropId
325 Where c.cropName = 'durian'
326 Order By Total DESC LIMIT 1;
327
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:	Fetch rows
farmerId	farmerFName	Total		
70	Rollin	456		

8. Total sale amount per month in 2022

```
329 • select
330 (select Sum(saleAmount) as TotalAmount From salesData Where deliveryDate Between '2022-01-01' And '2022-01-31') as January,
331 (select Sum(saleAmount) as TotalAmount From salesData Where deliveryDate Between '2022-02-01' And '2022-02-28') as February,
332 (select Sum(saleAmount) as TotalAmount From salesData Where deliveryDate Between '2022-03-01' And '2022-03-31') as March,
333 (select Sum(saleAmount) as TotalAmount From salesData Where deliveryDate Between '2022-04-01' And '2022-04-30') as April,
334 (select Sum(saleAmount) as TotalAmount From salesData Where deliveryDate Between '2022-05-01' And '2022-05-31') as May,
335 (select Sum(saleAmount) as TotalAmount From salesData Where deliveryDate Between '2022-06-01' And '2022-06-30') as June,
336 (select Sum(saleAmount) as TotalAmount From salesData Where deliveryDate Between '2022-07-01' And '2022-07-31') as July,
```

Result Grid		Filter Rows:		Export:		Wrap Cell Content:		
	January	February	March	April	May	June	July	August
	1760	1854	1531	2020	2426	8075	2036	2772

Pending payment for August 2022

```
344 • select paymentId, customerId, farmerId, cropId, paymentStatus
345 from payment
346 where (paymentDate > '2022-07-31' and paymentDate < '2022-09-01') and paymentStatus = 'Pending';
347
```

Result Grid   Filter Rows: | Edit:    | Export/Import:   | Wrap Cell Content: 

	paymentId	customerId	farmerId	cropId	paymentStatus
▶	8	50	74	7	Pending
	29	43	62	18	Pending
	59	50	72	29	Pending
	69	84	17	6	Pending
*	NULL	NULL	NULL	NULL	NULL