Case Study #2 Pizza Runner

Question 1: If a Meat Lovers pizza costs $12 and Vegetarian costs $10 and there were no charges for changes - how much money has Pizza Runner made so far if there are no delivery fees?

sum

138

Question 2: What if there was an additional $1 charge for any pizza extras?

- Add cheese is $1 extra

sum

143

Question 3: The Pizza Runner team now wants to add an additional ratings system that allows customers to rate their runner, how would you design an additional table for this new dataset - generate a schema for this new table and insert your own data for ratings for each successful customer order between 1 to 5.

order_id	customer_id	ratings	review
1	101	4	Good pizza
2	101	4	Meatlovers is pretty good!
3	102	5	Quick Delivery
4	103	3	Ordered 3 pizzas, Took over 40 minutes!
5	104	5	Fast Delivery. Good Pizza too!
6	101	null	null
7	105	4	Delivery Driver is pretty nice
8	102	4	Quick Delivery once again!
9	103	null	null
10	104	3	Did not give me extra cheese!

Question 4: Using your newly generated table - can you join all of the information together to form a table which has the following information for successful deliveries?

- o customer_id
- o order_id
- o runner_id
- o rating
- o order_time
- o pickup_time
- o Time between order and pickup
- o Delivery duration
- o Average speed
- o Total number of pizzas

customer_id	order_id	runner_id	ratings	order_time	pickup_time	time_between_order_and_pickup	duration	average_speed	amount_of_pizzas
101	1	1	4	2020-01-01T18:05:02.000Z	2020-01-01 18:15:34	00:10:32	32	0.63	1
101	2	1	4	2020-01-01T19:00:52.000Z	2020-01-01 19:10:54	00:10:02	27	0.74	1
102	3	1	5	2020-01-02T23:51:23.000Z	2020-01-03 00:12:37	00:21:14	20	0.67	2
103	4	2	3	2020-01-04T13:23:46.000Z	2020-01-04 13:53:03	00:29:17	40	0.59	3
104	5	3	5	2020-01-08T21:00:29.000Z	2020-01-08 21:10:57	00:10:28	15	0.67	1
101	6	3	null	2020-01-08T21:03:13.000Z	null	null	null	null	1
105	7	2	4	2020-01-08T21:20:29.000Z	2020-01-08 21:30:45	00:10:16	25	1.00	1
102	8	2	4	2020-01-09T23:54:33.000Z	2020-01-10 00:15:02	00:20:29	15	1.56	1
103	9	2	null	2020-01-10T11:22:59.000Z	null	null	null	null	1
104	10	1	3	2020-01-11T18:34:49.000Z	2020-01-11 18:50:20	00:15:31	10	1.00	2

Question 5: If a Meat Lovers pizza was $12 and Vegetarian $10 fixed prices with no cost for extras and each runner is paid $0.30 per kilometer traveled - how much money does Pizza Runner have left over after these deliveries?

profit
94.44