In []: In [2]:	# Zepto_Inventry_Analysis Using Mysql+Jupyter Notebook %load_ext sql
In [4]:	<pre>%sql mysql+mysqlconnector://root:root@localhost/ %sql use inventry; * mysql+mysqlconnector://root:***@localhost/</pre>
Out[4]:	0 rows affected. [] #DATA EXPLORATION
In [33]: Out[33]:	<pre>select * from zepto limit 10; #SAMPLE DATA * mysql+mysqlconnector://root:***@localhost/ 10 rows affected.</pre>
	1 Fruits & Vegetables Onion 2500.00 16.00 3 2100.00 1000 0 1 2 Fruits & Vegetables Tomato Hybrid 4200.00 16.00 3 3500.00 1000 0 1 3 Fruits & Vegetables Tender Coconut 5100.00 15.00 3 4300.00 58 0 1
	4 Fruits & Vegetables Coriander Leaves 2000.00 15.00 3 1700.00 100 0 100 5 Fruits & Vegetables Ladies Finger 1400.00 14.00 3 1200.00 250 0 250 6 Fruits & Vegetables Potato 3500.00 17.00 3 2900.00 1000 0 1
	7 Fruits & Vegetables Lemon 7500.00 16.00 3 6300.00 200 0 200 8 Fruits & Vegetables Watermelon 5800.00 15.00 3 4900.00 58 0 1 9 Fruits & Vegetables Capsicum Green 2300.00 17.00 3 1900.00 250 0 250
In [27]:	10 Fruits & Vegetables Chilli Green 1900.00 15.00 3 1600.00 100 0 100 %%sql select * from zepto
	<pre>where category is null or name is null OR mrp is null or</pre>
	discountPercent is null or availableQuantity is null or discountedSellingPrice is null or
	weightInGms is null or outOfStock is null or quantity is null; #CHECKING NULL
Out[27]:	and any many account are an area and area area area area area area area are
In [28]:	<pre>select distinct category from zepto order by category; #DIFFERENT PRODUCT CATEGORIES * mysql+mysqlconnector://root:***@localhost/</pre>
Out[28]:	14 rows affected. category Beverages Biscuits
	Chocolates & Candies Cooking Essentials
	Dairy, Bread & Batter Fruits & Vegetables Health & Hygiene
	Home & Cleaning Ice Cream & Desserts Meats, Fish & Eggs
	Munchies Paan Corner Packaged Food
In [29]:	<pre>select outOfstock, count (sku_id)</pre>
	<pre>from zepto</pre>
	0 3274 1 453
In [30]:	<pre>%%sql select name, count(sku_id) as "Number Of Sku's" from zepto group by name #PRODCUT NAMES PRESENT MULTIPLE TIME having count(sku_id) order by count(sku_id) desc limit 20;</pre>
Out[30]:	* mysql+mysqlconnector://root:***@localhost/ 20 rows affected. name Number Of Sku's
	Arden Eggs White 10 Saffola Veggie Twist Masala Oats 10 Quaker Oats 10
	Sunfeast Yippee! Pasta Treat - Sour Cream Onion 10 Sunfeast YiPPee! Magic Masala Noodles 10 Mother's Recipe Tamarind Paste 10
	Amul Delicious Fat Spread - Cholesterol Free 10 Kellogg's Real Almond & Honey Corn Flakes 9 Amul Fresh Cream 8
	iD Idli & Dosa Batter 7 Everest Garam Masala 6 Everest Chicken Masala 6
	Everest Kitchen King Masala 6 Godrej Yummiez Chicken Nuggets 6 Zorabian Chicken Smoked Ham 6
	Godrej Yummiez Chilli Chicken Sausages 6 Everest Tandoori Chicken Masala 6 Godrej Yummiez Chicken Punjabi Tikka 6
-	Maggi Magic Cubes Extra Chicken 6 Yummiez Chicken Garlic Fingers Pouch 6
In [21]: In [34]:	<pre>%%sql select * from zepto where mrp=0 or discountedSellingPrice=0; #PRODUCTS WITH PRICE=0</pre>
Out[34]:	* mysql+mysqlconnector://root:***@localhost/ 1 rows affected. sku_id Category name mrp discountPercent availableQuantity discountedSellingPrice weightInGms outOfStock quantity 3607 Home & Cleaning Cherry Blossom Liquid Shoe Polish Neutral 0.00 0.00 1 0.00 75 0 75
In [35]:	
Out[35]: In [36]:	<pre>1 rows affected. [] %%sql update zepto</pre>
Out[36]:	<pre>set mrp= mrp/100.0, discountedSellingPrice=discountedSellingPrice/100.0; #CONVERTING PAISE TO RUPEES * mysql+mysqlconnector://root:***@localhost/ 3727 rows affected.</pre>
In [37]:	
Out[37]:	
	51.00 43.00 20.00 17.00 14.00 12.00
	35.00 29.00 75.00 63.00
	58.00 49.00 23.00 19.00 19.00 16.00
In [38]:	<pre># Q1.Find the top 10 best-value products based on the discount percentage. %*sql select distinct name,mrp,discountPercent from zepto</pre>
Out[38]:	order by discountPercent desc limit 10; * mysql+mysqlconnector://root:***@localhost/ 10 rows affected. name mrp discountPercent
	Dukes Waffy Chocolate Wafers 45.00 51.00 Dukes Waffy Orange Wafers 45.00 51.00 Dukes Waffy Strawberry Wafers 45.00 51.00
	Ceres Foods Laal Maas Instant Liquid Masala 220.00 50.00 Ceres Foods Laal Maas Instant Liquid Masala 220.00 50.00
	Chef's Basket Durum Wheat Elbow Pasta 160.00 50.00 Chef's Basket Durum Wheat Fusilli Pasta 160.00 50.00
In [39]:	Chef's Basket Durum Wheat Penne Pasta 160.00 50.00 Dukes Waffy Chocolate Wafer Rolls 150.00 50.00 #Q2.What are the Products with High MRP but Out of Stock.
	<pre>%%sql select distinct name, mrp from zepto where outOfstock=1 and mrp>300</pre>
	order by name desc;
	* mysql+mysqlconnector://root:***@localhost/ 4 rows affected.
	* mysql+mysqlconnector://root:***@localhost/ 4 rows affected. name mrp
Out[39]:	* mysql+mysqlconnector://root:***@localhost/4 rows affected. name mrp Patanjali Cow's Ghee 565.00 MamyPoko Pants Standard Diapers, Extra Large (12 - 17 kg) 399.00 Everest Kashmiri Lal Chilli Powder 310.00
Out[39]: In [44]:	* mysql+mysqlconnector://root:***@localhost/ 4 rows affected. name mrp Patanjali Cow's Ghee 565.00 MamyPoko Pants Standard Diapers, Extra Large (12 - 17 kg) 399.00 Everest Kashmiri Lal Chilli Powder 310.00 Aashirvaad Atta With Mutigrains 315.00 #03.Calculate Estimated Revenue for each category. **sql select category,
Out[39]: In [44]:	* mysql+mysqlconnector://root:***@localhost/ 4 rows affected. name
Out[39]: In [44]:	* mysel-myselconnector://root:***8localhost/ 6 rows affected. name mrp Patanjali Cow's Chee 565.00 MamyPoko Pants Standard Diapers, Extra Large (12 - 17 kg) 399.00 Everest Kashmiri Lal Chilli Powder 310.00 Aashirvaad Atta With Muligrains 315.00 #03. Calculate Estimated Revenue for each category. % agal select category, sound(alsoconnecdsellingPrice * availableQuantity) as Total_Revenue from expto group by category order by Total_revenue; ** mysel*myselonemector://root:***8localhost/ 14 rows affected. category Total_Revenue Fruits & Vegetables 10846.00
Out[39]:	* mysql:mysql:onmetor://root:**8localhost/ 4 rows affected. name mrp Patanjali Cow's Ghee 585.00 MamyPoko Pants Standard Diapers, Extra Large (12 - 17 kg) 399.00 Everest Kashmiri Lai Chilli Powder 310.00 Asshirvaad Atta With Mutigraina 315.00 #################################
Out[39]:	# myori_temportors. name mrp
Out[39]:	* "your **gruph consecures Indian Imp Patalyali Cons Gines S85.00 ManyPata Panis Standard Consecure S85.00 ManyPata Panis Standard Consecure S85.00 ***Clinical castants*** Engineer Attained Mill Source S80.00 ***Clinical castants*** Engineer Attained Mill Source S80.00 ***Clinical castants** S80.00 ***Clinical castants** S80.00 ***Clinical Constants** S80.00 *
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Cooking Essentials 1404326

Munchies 1404326