

1

1.1

Upon Normalizing, 4 Tables were created

- Items Table
- Shops Table
- Units Table
- Sales Table

```
SELECT * FROM Items
SELECT * FROM Shops
SELECT * FROM Units
SELECT * FROM Sales
```

Results		Messages
ItemID	Item	
1	Bar_One	
2	Kitkat	
3	MilkyBar	
4	Munch	

(a)

```
SELECT * FROM Items
SELECT * FROM Shops
SELECT * FROM Units
SELECT * FROM Sales
```

Results		Messages
ShopID	Shop	
1	Amal Stores	
2	Jyothi Stores	
3	Indira Stores	

(b)

```
SELECT * FROM Items
SELECT * FROM Shops
SELECT * FROM Units
SELECT * FROM Sales
```

--1.2

```
SELECT Quantity*UNIT FROM Sales
SELECT * FROM Sales WHERE DATEP
```

Results			Messages
UnitID	Unit	UnitCnt	
1	Piece	1	
2	Box Pack	28	

(c)

```
SELECT * FROM Items
SELECT * FROM Shops
SELECT * FROM Units
SELECT * FROM Sales
```

133 %

Results		Messages				
SalesID	ItemID	ShopID	Quantity	UnitID	UnitPrice	SaleDate
1	1	1	100	1	10.00	2018-10-05
2	2	2	200	1	15.00	2018-10-05
3	3	3	50	1	5.00	2018-10-05
4	4	4	150	1	10.00	2018-10-05
5	5	1	2	2	280.00	2018-10-10
6	6	2	30	2	420.00	2018-10-10
7	7	3	40	2	140.00	2018-10-10
8	8	4	20	2	280.00	2018-10-10
9	9	1	50	2	280.00	2018-09-15
10	10	2	70	2	420.00	2018-09-15
11	11	3	30	2	140.00	2018-10-10
12	12	1	150	1	10.00	2018-09-15
13	13	2	250	1	15.00	2018-09-15
14	14	4	200	1	10.00	2018-10-10

(d)

1.2

Results Messages		
	Item	Revenue
1	Kitkat	355800

1.3

Results Messages		
	Item	TotalQuantity
1	Munch	350

1.4

Results Messages		
	Item	Revenue
1	Kitkat	355800
2	MilkyBar	274650
3	Munch	160300
4	Bar_One	79400

1.5

Results Messages		
	Shop	Revenue
1	Jyothi Stores	744800