```sql
--Q1
CREATE TABLE Items(
  ItemID int PRIMARY KEY ,
  Itemname VARCHAR(20),
);

INSERT INTO Items VALUES
(1,'Bar-one'),(2,'Kitkat'),(3,'Milky Bar'),(4,'Munch');
```

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Results | Messages

	ItemID	Itemname
1	1	Bar-one
2	2	Kitkat
3	3	Milky Bar
4	4	Munch

```sql
CREATE TABLE Shops(
  ShopId INT PRIMARY KEY,
  ShopName varchar(30)
);

INSERT INTO Shops VALUES
(1,'Amal Stores'),(2,'Jyothi Stores'),(3,'Indira Stores');
```

150 %

Results | Messages

	ShopId	ShopName
1	1	Amal Stores
2	2	Jyothi Stores
3	3	Indira Stores

```sql
CREATE TABLE Prices(
  ItemId int PRIMARY KEY
  CONSTRAINT FK_70 FOREIGN KEY (ItemId) REFERENCES Items(ItemId),
  Price INT);

INSERT INTO Prices VALUES
(1,10),(2,15),(3,5),(4,10);
```

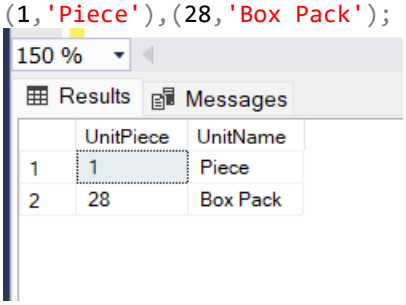
150 %

Results | Messages

	ItemId	Price
1	1	10
2	2	15
3	3	5
4	4	10

```
CREATE TABLE Units(
  UnitPiece INT PRIMARY KEY,
  UnitName varchar(30));

INSERT INTO Units VALUES
(1,'Piece'),(28,'Box Pack');
```



	UnitPiece	UnitName
1	1	Piece
2	28	Box Pack

```
CREATE TABLE Chocolates(
  OrderID INT IDENTITY PRIMARY KEY,
  ShopId INT,
  CONSTRAINT FK_sh FOREIGN KEY (ShopId) REFERENCES Shops(ShopId),
  ItemID INT,
  CONSTRAINT FK_it FOREIGN KEY (ItemId) REFERENCES Items(ItemId),
  Qty INT,
  Salesdate DATE,
  Unitpiece INT,
  CONSTRAINT FK_un FOREIGN KEY (UnitPiece) REFERENCES Units(UnitPiece)
  );

INSERT INTO Chocolates VALUES
(1,1,100,'2018-10-05',1),
(1,2,200,'2018-10-05',1),
(1,3,50,'2018-10-05',1),
(1,4,150,'2018-10-05',1),
(2,1,10,'2018-10-10',28),
(2,2,30,'2018-10-10',28),
(2,3,40,'2018-10-10',28),
(2,4,20,'2018-10-10',28),
(3,1,50,'2018-10-15',28),
(3,2,70,'2018-10-15',28),
(3,3,30,'2018-10-10',28),
(1,1,150,'2018-10-15',1),
(1,2,250,'2018-10-15',1),
(1,4,100,'2018-10-10',1);
```

150 %

Results | Messages

	OrderID	ShopId	ItemID	Qty	Salesdate	Unitpiece
1	1	1	1	100	2018-10-05	1
2	2	1	2	200	2018-10-05	1
3	3	1	3	50	2018-10-05	1
4	4	1	4	150	2018-10-05	1
5	5	2	1	10	2018-10-10	28
6	6	2	2	30	2018-10-10	28
7	7	2	3	40	2018-10-10	28
8	8	2	4	20	2018-10-10	28
9	9	3	1	50	2018-10-15	28
10	10	3	2	70	2018-10-15	28
11	11	3	3	30	2018-10-10	28
12	12	1	1	150	2018-10-15	1
13	13	1	2	250	2018-10-15	1
14	14	1	4	100	2018-10-10	1

```
--Q1.2
SELECT top 1 i.ItemName,SUM(c.Qty*c.Unitpiece*p.price) AS 'Revenue'
FROM Items i
INNER JOIN Chocolates c
ON i.ItemID=c.ItemID
INNER JOIN Prices p
ON i.ItemID=p.ItemId
WHERE MONTH(Salesdate)=10
GROUP BY I.Itemname ORDER BY Revenue DESC ;
```

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Results | Messages

	ItemName	Revenue
1	Kitkat	48750

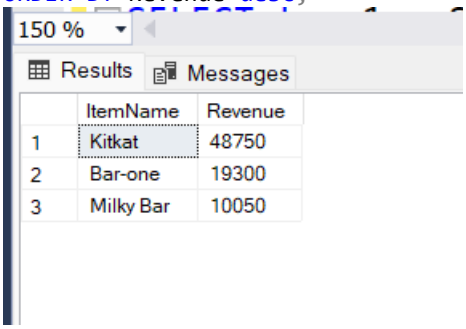
```
--Q1.3
SELECT TOP 1 i.ItemName,SUM(c.Qty*c.Unitpiece) AS TotalQuantity
FROM Items i
INNER JOIN Chocolates c
ON i.ItemID=c.ItemID
INNER JOIN Shops S
ON s.Shopid=c.Shopid
WHERE s.Shopname='Amal Stores'
GROUP BY i.Itemname ORDER BY TotalQuantity DESC;
```

150 %

Results | Messages

	ItemName	TotalQuantity
1	Kitkat	450

```sql
--Q1.4
SELECT i.ItemName,SUM(c.Qty*c.Unitpiece*p.price) AS Revenue from Items i
INNER JOIN Chocolates c
ON i.ItemID=c.ItemID
INNER JOIN Prices p
ON i.ItemID=p.ItemId
WHERE month(c.Salesdate)=10
GROUP BY i.Itemname
HAVING SUM(c.Qty*c.Unitpiece*p.price)>10000
ORDER BY Revenue desc;
```



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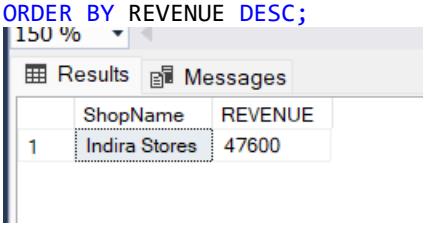
Results | Messages

	ItemName	Revenue
1	Kitkat	48750
2	Bar-one	19300
3	Milky Bar	10050

```sql
--Q1.5
SELECT top 1 s.ShopName, SUM(c.Qty* c. Unitpiece*p.price) as REVENUE
FROM Shops s
INNER JOIN Chocolates c
ON s.ShopId=c.ShopId
INNER JOIN Prices p
ON c.ItemID=p.ItemId
WHERE MONTH(c.Salesdate)=10
GROUP BY s.ShopName
ORDER BY REVENUE DESC;
```



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Results | Messages

	ShopName	REVENUE
1	Indira Stores	47600