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CREATE TABLE Shop(ShopID INT PRIMARY KEY,Shopname VARCHAR(20))
CREATE TABLE Item(ItemID INT PRIMARY KEY,Itemname VARCHAR(20))
CREATE TABLE Sales(SaleID INT PRIMARY KEY IDENTITY,
    ShopID INT,
    ItemID INT,
    Quantity INT,
    UnitPrice DECIMAL(10, 2),
    SaleDate DATE,
    FOREIGN KEY (ShopID) REFERENCES SHOP(ShopID),
    FOREIGN KEY (ItemID) REFERENCES ITEM (ItemID))
INSERT INTO Shop(ShopID,Shopname) VALUES(1,'Amal Stores'),(2,'Jyothi Stores'),(3,'Indira Stores')
INSERT INTO Item VALUES(1,'Bar-One'),(2,'KitKat'),(3,'Milky Bar'),(4,'Munch')
INSERT INTO Sales VALUES(1,1,100,10,'2018-10-05')
INSERT INTO Sales VALUES(1,2,200,15,'2018-10-05'),(1,3,50,5,'2018-10-05'),(1,4,150,10,'2018-10-05'),(2,1,10,280,'2018-10-10'),(2,2,30,420,'2018-10-10'),(2,3,40,140,'2018-10-10'),(2,4,20,280,'2018-10-10'),(3,1,50,280,'2018-09-15'),(3,2,70,420,'2018-09-15'),(3,3,30,140,'2018-10-10'),(1,1,150,10,'2018-09-15'),(1,2,250,15,'2018-09-15'),(1,4,200,10,'2018-10-10')

```

--Q1.2

```

SELECT
    TOP 1.I.ItemName,
    SUM(S.Quantity * S.UnitPrice) AS Revenue
FROM
    Item I JOIN Sales S ON S.ItemID = I.ItemID
WHERE
    MONTH(S.SaleDate) = 10
GROUP BY
    I.ItemName
ORDER BY
    Revenue DESC

```

--Q1.2

SELECT

I.ItemName,

SUM(S.Quantity * S.UnitPrice) AS Revenue

FROM

Item I JOIN Sales S ON S.ItemID = I.ItemID

WHERE

MONTH(S.SaleDate) = 10

GROUP BY

I.ItemName

ORDER BY

Revenue DESC

ItemName	Revenue
KitKat	15000.00
Milky Bar	10000.00
Munch	9100.00
Bar-One	3600.00

--Q1.3

```

SELECT
    TOP 1.I.ItemName,
    SUM(S.Quantity) AS Total
FROM
    Sales S
    JOIN Item I ON S.ItemID = I.ItemID
    JOIN Shop SH ON S.ShopID = SH.ShopID
WHERE
    MONTH(S.SaleDate) = 10
    AND SH.ShopName = 'Amal Stores'
GROUP BY
    I.ItemName
ORDER BY
    Total DESC

```

```
--Q1.3
SELECT
    TOP 1 I.ItemName,
    SUM(S.Quantity) AS Total
FROM
    Sales S
    JOIN Item I ON S.ItemID = I.ItemID
    JOIN Shop SH ON S.ShopID = SH.ShopID
WHERE
    MONTH(S.SaleDate) = 10
    AND SH.ShopName = 'Amal Stores'
GROUP BY
    I.ItemName
ORDER BY
    Total DESC
--Q1.4
SELECT
```

ItemName	Total
Munch	350

```
--Q1.4
SELECT
    I.ItemName,
    SUM(S.Quantity * S.UnitPrice) AS Revenue
FROM
    Item I JOIN Sales S ON S.ItemID = I.ItemID
WHERE
    MONTH(S.SaleDate) = 10
GROUP BY
    I.ItemName
HAVING SUM(S.Quantity * S.UnitPrice) > 10000
ORDER BY
    Revenue
```

```
--Q1.4
SELECT
    I.ItemName,
    SUM(S.Quantity * S.UnitPrice) AS Revenue
FROM
    Item I JOIN Sales S ON S.ItemID = I.ItemID
WHERE
    MONTH(S.SaleDate) = 10
GROUP BY
    I.ItemName
HAVING SUM(S.Quantity * S.UnitPrice) > 10000
ORDER BY
    Revenue
--Q1.5
SELECT
    TOP 1 SH.Shopname,
    SUM(S.Quantity * S.UnitPrice) AS Revenue
```

ItemName	Revenue
Milky Bar	10050.00
KiKat	15600.00

```
--Q1.5
SELECT
    TOP 1 SH.Shopname,
    SUM(S.Quantity * S.UnitPrice) AS Revenue
FROM
    Sales S
    JOIN Shop SH ON S.ShopID = SH.ShopID
WHERE
    MONTH(S.SaleDate) = 10
GROUP BY
    SH.ShopName
ORDER BY
    Revenue DESC
```

```
--Q1.5
SELECT
    TOP 1 SH.Shopname,
    SUM(S.Quantity * S.UnitPrice) AS Revenue
FROM
    Sales S
    JOIN Shop SH ON S.ShopID = SH.ShopID
WHERE
    MONTH(S.SaleDate) = 10
GROUP BY
    SH.ShopName
ORDER BY
    Revenue DESC
```

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Results Messages

	Shopname	Revenue
1	Jyothi Stores	26600.00