

1.

```
SELECT p.productName, od.quantityOrdered * od.priceEach AS RowValue
FROM orderdetails od
INNER JOIN products p ON od.productCode = p.productCode;
```

2.

```
SELECT orderNumber, SUM(quantityOrdered * priceEach) AS OrderValue
FROM orderdetails
GROUP BY orderNumber;
```

3.

```
CREATE VIEW `classicmodels`.`vwOrderValues` AS
```

```
SELECT orderNumber, SUM(quantityOrdered * priceEach) AS OrderValue
FROM orderdetails
GROUP BY orderNumber;
```

4.

```
SELECT c.customerName, SUM(ov.OrderValue)
FROM customers c
INNER JOIN orders o ON c.customerNumber = o.customerNumber
INNER JOIN vwOrderValues ov ON ov.orderNumber = o.orderNumber
GROUP BY c.customerName;
```

5.

```
SELECT c.customerName, SUM(ov.OrderValue) AS SumOrderValue,
(SELECT SUM(amount)
FROM payments
WHERE customerNumber = c.customerNumber) AS Paid
FROM customers c
INNER JOIN orders o ON c.customerNumber = o.customerNumber
INNER JOIN vwOrderValues ov ON ov.orderNumber = o.orderNumber
GROUP BY c.customerName;
```

6.1

```
CREATE SCHEMA `newspaper` DEFAULT CHARACTER SET utf8 COLLATE utf8_general_ci ;
alt.
CREATE SCHEMA `newspaper` ;
```

6.2

```
CREATE TABLE `newspaper`.`users` (
`UserID` INT NOT NULL AUTO_INCREMENT ,
`FirstName` VARCHAR(45) NULL ,
`LastName` VARCHAR(45) NULL ,
PRIMARY KEY (`UserID`));
```

```
INSERT INTO users (FirstName, LastName) VALUES ('Henry', 'Andersson');
INSERT INTO users (FirstName, LastName) VALUES ('Rikard', 'Carlbom');
INSERT INTO users (FirstName, LastName) VALUES ('Johannes', 'Fundin');
INSERT INTO users (FirstName, LastName) VALUES ('Mats', 'Gustavsson');
INSERT INTO users (FirstName, LastName) VALUES ('Anders', 'Hedborg');
```

### 6.3

```
CREATE TABLE `newspaper`.`articles` (  
  `ArticleID` INT NOT NULL AUTO_INCREMENT ,  
  `Subject` VARCHAR(45) NULL ,  
  `Body` TEXT NULL ,  
  `Author` INT NULL ,  
  `Published` BIT NULL ,  
  PRIMARY KEY (`ArticleID`));
```

```
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik1', 'Lorem ipsum 1', 1,  
1);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik2', 'Lorem ipsum 2', 2,  
1);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik3', 'Lorem ipsum 3', 3,  
0);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik4', 'Lorem ipsum 4', 4,  
1);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik5', 'Lorem ipsum 5', 5,  
1);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik6', 'Lorem ipsum 6', 1,  
0);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik7', 'Lorem ipsum 7', 2,  
1);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik8', 'Lorem ipsum 8', 3,  
0);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik9', 'Lorem ipsum 9', 4,  
1);  
INSERT INTO articles (Subject, Body, Author, Published) VALUES ('Rubrik10', 'Lorem ipsum 10',  
5, 1);
```

### 6.4

```
CREATE VIEW `newspaper`.`vwArticles` AS
```

```
SELECT a.ArticleID, a.Subject, a.Body, CONCAT(u.FirstName, ' ', u.LastName) AS Author  
FROM articles a  
  INNER JOIN users u ON a.Author = u.UserID  
WHERE Published = 1;
```