Query 1

```
 1 ●    USE northwind;

 2

 3       -- Query 1
 4 ●    SELECT
 5          p.ProductID, p.ProductName, c.CategoryName
 6       FROM
 7          product AS p
 8              INNER JOIN
 9          category AS c USING (CategoryID)
10       WHERE
11          c.CategoryName = 'Beverages'
12       ORDER BY p.ProductID;
```

Query 2

```
13
14       -- Query 2
15 ●    CREATE OR REPLACE VIEW productList1 AS
16        SELECT
17            p.ProductID, p.ProductName, c.CategoryName
18        FROM
19            product AS p
20                INNER JOIN
21            category AS c USING (CategoryID)
22        WHERE
23            c.CategoryName = 'Beverages'
24        ORDER BY p.ProductID;
25
26 ●    SELECT
27          pl1.ProductID, pl1.ProductName, pl1.CategoryName, od.OrderID
28       FROM
29          productList1 AS pl1
30              INNER JOIN
31          orderdetail AS od USING (ProductID)
32       ORDER BY od.OrderID;
```

Query 3

```
33
34      -- Query 3
35 •    CREATE OR REPLACE VIEW productList1 AS
36          SELECT
37              p.ProductID, p.ProductName, c.CategoryName
38          FROM
39              product AS p
40                  INNER JOIN
41              category AS c USING (CategoryID)
42          WHERE
43              c.CategoryName = 'Beverages'
44          ORDER BY p.ProductID;
45
46 •    CREATE OR REPLACE VIEW productList2 AS
47          SELECT
48              pl1.ProductID, pl1.ProductName, pl1.CategoryName, od.OrderID
49          FROM
50              productList1 AS pl1
51                  INNER JOIN
52              orderdetail AS od USING (ProductID)
53          ORDER BY od.OrderID;
```

```
54
55 •    SELECT
56          pl2.ProductID, pl2.ProductName, pl2.CategoryName, o.ShipCity
57      FROM
58          productList2 AS pl2
59              INNER JOIN
60          northwind.order AS o USING (OrderID)
61      ORDER BY o.ShipCity;
```

Query 4

```
62
63      -- Query 4
64  •   CREATE OR REPLACE VIEW productList1 AS
65          SELECT
66              p.ProductID, p.ProductName, c.CategoryName
67          FROM
68              product AS p
69                  INNER JOIN
70              category AS c USING (CategoryID)
71          WHERE
72              c.CategoryName = 'Beverages'
73          ORDER BY p.ProductID;
74
75  •   CREATE OR REPLACE VIEW productList2 AS
76          SELECT
77              pl1.ProductID, pl1.ProductName, pl1.CategoryName, od.OrderID
78          FROM
79              productList1 AS pl1
80                  INNER JOIN
81              orderdetail AS od USING (ProductID)
82          ORDER BY od.OrderID;
```

```
83
84  •   CREATE OR REPLACE VIEW productList3 AS
85          SELECT
86              pl2.ProductID, pl2.ProductName, pl2.CategoryName, o.ShipCity
87          FROM
88              productList2 AS pl2
89                  INNER JOIN
90              northwind.order AS o USING (OrderID)
91          ORDER BY o.ShipCity;
92
93  •   SELECT
94          ProductName, ShipCity
95      FROM
96          productList3
97      WHERE
98          ShipCity IN ('Portland' , 'Seattle')
99      ORDER BY ShipCity , ProductName;
```

Query 5

```
100
101     -- Query 5
102  •  CREATE OR REPLACE VIEW productList1 AS
103         SELECT
104             p.ProductID, p.ProductName, c.CategoryName
105         FROM
106             product AS p
107                 INNER JOIN
108             category AS c USING (CategoryID)
109         WHERE
110             c.CategoryName = 'Beverages'
111         ORDER BY p.ProductID;
112
113  •  CREATE OR REPLACE VIEW productList2 AS
114         SELECT
115             pl1.ProductID, pl1.ProductName, pl1.CategoryName, od.OrderID
116         FROM
117             productList1 AS pl1
118                 INNER JOIN
119             orderdetail AS od USING (ProductID)
120         ORDER BY od.OrderID;
121
122  •  CREATE OR REPLACE VIEW productList3 AS
123         SELECT
124             pl2.ProductID, pl2.ProductName, pl2.CategoryName, o.ShipCity
125         FROM
126             productList2 AS pl2
127                 INNER JOIN
128             northwind.order AS o USING (OrderID)
129         ORDER BY o.ShipCity;
```

```
130
131 ●    CREATE OR REPLACE VIEW productList4 AS
132          SELECT
133              ProductName, ShipCity
134          FROM
135              productList3
136          WHERE
137              ShipCity IN ('Portland' , 'Seattle')
138          ORDER BY ShipCity , ProductName;
139
140 ●    SELECT DISTINCT
141          ProductName, ShipCity
142      FROM
143          productList4
144      ORDER BY ShipCity , ProductName;
```