

1/

```
. SELECT LastName FROM Employees;
```

2/

```
. SELECT DISTINCT LastName FROM Employees;
```

3/

```
. SELECT * FROM Employees WHERE LastName = 'Smith';
```

4/

```
. SELECT * FROM Employees  
WHERE LastName = 'Smith' OR LastName = 'Doe';
```

5/

```
. SELECT * FROM Employees WHERE Department = 14;
```

6/

```
. SELECT * FROM Employees  
WHERE Department = 37 OR Department = 77;
```

7/

```
. SELECT * FROM Employees  
WHERE LastName LIKE 'S%';
```

8/

```
. SELECT SUM(Budget) FROM Departments;
```

9/

```
. SELECT Department, COUNT(*) FROM Employees GROUP BY Department;
```

10/

```
. SELECT SSN, E.Name AS Name_E, LastName, D.Name AS Name_D, Department, Code, Budget  
FROM Employees E INNER JOIN Departments D  
ON E.Department = D.Code;
```

11/

```
. SELECT Employees.Name, LastName, Departments.Name AS DepartmentsName, Budget  
FROM Employees INNER JOIN Departments  
ON Employees.Department = Departments.Code;
```

12/

```
. SELECT Name, LastName FROM Employees  
WHERE Department IN  
(SELECT Code FROM Departments WHERE Budget > 60000);
```

13/

```
. SELECT *  
FROM Departments  
WHERE Budget >  
(  
SELECT AVG(Budget)  
FROM Departments  
);
```

14/

```
. SELECT Name FROM Departments  
WHERE Code IN  
(  
SELECT Department  
FROM Employees  
GROUP BY Department  
HAVING COUNT(*) > 2  
);
```

15/

```
. SELECT e.Name, e.LastName  
FROM Employees e  
WHERE e.Department = (  
SELECT sub.Code  
FROM (SELECT * FROM Departments d ORDER BY d.budget LIMIT 2) sub  
ORDER BY budget DESC LIMIT 1);
```

16/

```
. INSERT INTO Departments  
VALUES ( 11 , 'Quality Assurance' , 40000);
```

```
INSERT INTO Employees  
VALUES ( '847219811' , 'Mary' , 'Moore' , 11);
```

17/

```
. UPDATE Departments SET Budget = Budget * 0.9;
```

18/

```
. UPDATE Employees SET Department = 14 WHERE Department = 77;
```

19/

```
. DELETE FROM Employees  
WHERE Department = 14;
```

20/

```
. DELETE FROM Employees  
WHERE Department IN  
(  
    SELECT Code FROM Departments  
    WHERE Budget >= 60000  
);
```

21/

```
. DELETE FROM Employees;
```