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1: -- Active: 1708549946789@127.0.0.1@3306@SoftwareDB
2: --Amber Swain
3: -- PUnetID: swai8439
4:
5: -- 1
6: CREATE OR REPLACE PROCEDURE query1 ()
7: READS SQL DATA
8: BEGIN
9:     SELECT FName, LName
10:    FROM `Person`, Employee
11:   WHERE Person.PersonID = Employee.`EmpID`;
12: END;
13: CALL query1();
14:
15: -- 2
16: CREATE OR REPLACE PROCEDURE query2 (VALUE INT)
17: READS SQL DATA
18: BEGIN
19:     SELECT FName, LName, Salary
20:    FROM `Person`, Employee
21:   WHERE Person.PersonID = Employee.`EmpID`
22:     AND Salary > VALUE;
23: END;
24: CALL query2(60000);
25:
26: -- 3
27: CREATE OR REPLACE PROCEDURE query3 (VERSION DECIMAL(3,2), LETTER CHARACTER)
28: READS SQL DATA
29: BEGIN
30:     SELECT Name
31:    FROM `SoftwareProduct`
32:   WHERE `CurrVersionNum` > VERSION
33:     AND Name LIKE CONCAT(Letter, '%');
34: END;
35: CALL query3(1.0, 'S');
36:
37: -- 4
38: CREATE OR REPLACE PROCEDURE query4 (DATE DATE)
39: READS SQL DATA
40: BEGIN
41:     SELECT FName, LName, Name, FirstContactDate
42:    FROM Person, SoftwareProduct, Client, UsesProduct
43:   WHERE Person.`PersonID` = Client.`ClientID`
44:     AND Client.ClientID = UsesProduct.`ClientID`
45:     AND UsesProduct.`SoftwareID` = SoftwareProduct.`SoftwareID`
46:     AND `FirstContactDate` < DATE
47:    ORDER BY
48:      Client.`ClientID`;
49: END;
50:
51: CALL query4('2010-10-10');
52: -- 5
53: CREATE OR REPLACE PROCEDURE query5 (DATEONE DATE, DATETWO DATE)
54: READS SQL DATA
55: BEGIN
56:     SELECT FName, LName, Name, FirstContactDate AS StartDate
57:    FROM Person, SoftwareProduct, Client, UsesProduct
58:   WHERE Person.`PersonID` = Client.`ClientID`
59:     AND Client.ClientID = UsesProduct.`ClientID`
60:     AND UsesProduct.`SoftwareID` = SoftwareProduct.`SoftwareID`
61:     AND (`FirstContactDate` < DATEONE OR `FirstContactDate` >= DATETWO)
62:    ORDER BY
63:      Client.`ClientID`;
64: END;
65: CALL query5('2010-10-10', '2011-01-01');
66:
67: -- 6
68: CREATE OR REPLACE PROCEDURE query6 (PRODUCT VARCHAR(150))
69: READS SQL DATA
70: BEGIN
71:     SELECT AVG(Salary) as AverageSalary
72:    FROM Employee, SoftwareProduct, UsesProduct
73:   WHERE Employee.EmpID = UsesProduct.`PtOfContact_EmpID`
74:     AND `UsesProduct`.`SoftwareID` = SoftwareProduct.`SoftwareID`
75:     AND `SoftwareProduct`.`Name` = PRODUCT;
76: END;
77: CALL query6('Stellar Teller');
```

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78:
79: -- 7
80: CREATE OR REPLACE PROCEDURE query7 ()
81: READS SQL DATA
82: BEGIN
83:     SELECT `CurrVersionNum`, MAX(Salary)
84:     FROM Employee, SoftwareProduct, WorkingOn
85:     WHERE Employee.EmpID = WorkingOn.`EmpID`
86:     AND WorkingOn.`SoftwareID` = SoftwareProduct.`SoftwareID`
87:     AND CurrVersionNum IN (1.0, 2.0, 3.0)
88:     GROUP BY
89:         `CurrVersionNum`;
90: END;
91: CALL query7();
92:
93: -- 8
94: CREATE OR REPLACE PROCEDURE query8()
95: READS SQL DATA
96: BEGIN
97:     SELECT ServiceLevel, COUNT(*) AS Count
98:     FROM `UsesProduct`, `ServicePlan`
99:     WHERE `UsesProduct`.PlanID = ServicePlan.`PlanID`
100:    GROUP BY `ServiceLevel`;
101: END;
102: CALL query8();
103:
104: -- 9
105: CREATE OR REPLACE PROCEDURE query9 (Level VARCHAR(50))
106: READS SQL DATA
107: BEGIN
108:     SELECT FName, LName
109:     FROM Person, Client, UsesProduct
110:     WHERE Person.PersonID = Client.`ClientID`
111:     AND Client.ClientID = UsesProduct.`ClientID`
112:     AND Client.ClientID NOT IN (
113:         SELECT Client.ClientID
114:         FROM Person, Client, UsesProduct, ServicePlan
115:         WHERE Person.PersonID = Client.`ClientID`
116:         AND Client.ClientID = UsesProduct.`ClientID`
117:         AND `UsesProduct`.PlanID = ServicePlan.`PlanID`
118:         AND ServiceLevel = Level);
119: END;
120:
121: CALL query9('Gold');
122:
```