

```
1  Call Census_BestPlanCalc('Sep 2016', 'Fri Sep 16 2016 @ 12:20:27') ;
2
3  SELECT * FROM `yEnable_Best_Calc` ;
4  SELECT * FROM `yCurrentBest_Comparison` ;
5  SELECT * FROM `yCurrentBest_Comparison` where preferred_plan_tristate=-1;
6  SELECT COUNT(*) FROM `yCurrentBest_Comparison` where preferred_plan_tristate=-1;
7
8
9  DROP PROCEDURE `Census_BestPlanCalc` ;
10
11
12 DELIMITER &&
13 CREATE PROCEDURE `Census_BestPlanCalc`(IN posting_period_inv VARCHAR(50), IN
14   reference_posting_period VARCHAR(50))
15 BEGIN
16
17   DECLARE var_reference_inv                                INTEGER UNSIGNED
18   ;
19
20   #
21   =====
22   ===
23
24   DROP TABLE IF EXISTS `yModem_Usages` ;                # Temp table
25   DROP TABLE IF EXISTS `yCalcd_Charge` ;                # Temp table
26   DROP TABLE IF EXISTS `yEnable_Best_Calc` ;            # Temp table
27   DROP TABLE IF EXISTS `yCurrentBest_Comparison` ;
28
29   #
30   =====
31   ===
32   # Tentative values. Depends on other passed variable
33
34   SELECT 'Entered Census_BestPlanCalc';
35
36   SELECT invoice_id INTO var_reference_inv FROM Invoice WHERE posting_period LIKE
37     CONCAT(posting_period_inv, '%') ;
38
39
40   #
41   =====
42   ===
43   #
44   =====
45   ===
46
47   CREATE TABLE `yModem_Usages` AS
48   SELECT modem_config_id
49     , intl_rate_plan_id
50     , intl_data_usage
```

```
51 FROM ModemConfig mc
52 JOIN InvoicedModem im USING (wireless_no)
53 WHERE im.invoice_id = var_reference_inv ;
54
55
56 # -----
57 # Find all possible plans and their charges
58
59 CREATE TABLE `yEnable_Best_Calc` AS
60 SELECT mu.modem_config_id
61        , mu.intl_rate_plan_id
62        , irp.intlplan_code
63        , i.intlplan_limit_MB AS 'OtherMBs'
64        , i.intlplan_code AS 'AvailPlans'
65        , CASE WHEN mu.intl_data_usage/1000 <= i.intlplan_limit_MB THEN
66              i.intlplan_rate_charge
67              ELSE i.intlplan_rate_charge +
68                  (mu.intl_data_usage/1000 -
69                   i.intlplan_limit_MB) *
70                  i.intlplan_overage_rate_per_MB
71              END AS `yCalcd_Charge`
72 FROM `yModem_Usages` mu
73 JOIN `IntlRatePlan` irp USING (intl_rate_plan_id)
74 JOIN `IntlRatePlan` i
75 WHERE (i.intlplan_limit_MB <> irp.intlplan_limit_MB OR SUBSTRING(i.intlplan_code,1,4)
76        <> SUBSTRING(irp.intlplan_code,1,4)
77        OR i.intlplan_limit_MB = irp.intlplan_limit_MB AND i.intlplan_code =
78            irp.intlplan_code)
79 AND i.date_no_more_irp_contracts > CURRENT_DATE()
80 AND i.intlplan_code NOT IN ('Unassigned', 'Suspended', 'NoRatePlan')
81 AND i.intlplan_limit_MB <> 0
82 ORDER BY 1, 4;
83
84 # -----
85 # Find the cheapest plan
86
87 CREATE TABLE `yCurrentBest_Comparison` AS
88 SELECT a.modem_config_id
89        , ROUND(a.yCalcd_Charge) AS current_charge
90        , a.OtherMBs AS current_limit
91        , b.LowestCharge
92        , c.AvailPlans AS preferred_plan_code
93        , c.OtherMBs AS preferred_limit
94        , SIGN(CAST(c.OtherMBs AS SIGNED) - CAST(a.OtherMBs AS SIGNED)) AS
95            preferred_plan_tristate
96 FROM `yEnable_Best_Calc` a
97 JOIN (SELECT modem_config_id, MIN(ROUND(yCalcd_Charge,4)) AS `LowestCharge` FROM
98       `yEnable_Best_Calc` GROUP BY 1) b
99 ON a.modem_config_id = b.modem_config_id
100 JOIN `yEnable_Best_Calc` c
```

```
101     ON      a.modem_config_id = c.modem_config_id AND ROUND(c.yCalcd_Charge,4) =
102     ROUND(b.LowestCharge,4)
103 WHERE      a.intlplan_code = a.AvailPlans ;
104
105 #
106 =====
107 ===
108
109 UPDATE      `zModem_Census`      a
110           , `yCurrentBest_Comparison` b
111 SET         a.preferred_plan_code      = b.preferred_plan_code
112           , a.preferred_plan_tristate = b.preferred_plan_tristate
113 WHERE      a.posting_period = reference_posting_period
114           AND a.modem_config_id = b.modem_config_id ;
115
116 COMMIT ;
117
118
119 #
120 =====
121 ===
122 #
123 =====
124 ===
125
126 DROP TABLE IF EXISTS `yModem_Usages` ;           # Temp table
127 DROP TABLE IF EXISTS `yCalcd_Charge` ;           # Temp table
128 DROP TABLE IF EXISTS `yEnable_Best_Calc` ;       # Temp table
129 #DROP TABLE IF EXISTS `yCurrentBest_Comparison` ; # Temp table
130
131 END&&
132
133 DELIMITER ;
134
135
```