**M3L2Q1**

**Code for Last Part**

proc sql;

select \*

from ST522.employeesM3Q1

order by year(Hire\_date),salary desc;

quit;

**Log for Last Part**

93 proc sql;

94 select \*

95 from ST522.employeesM3Q1

96 order by year(Hire\_date),Salary desc;

NOTE: The query as specified involves ordering by an item that doesn't appear in its SELECT clause.

97 quit;

**Output for Last Part**

Table

Description automatically generated

**M3L2Q2**

**Code for Last Part**

proc sql;

insert into ST522.rewardsM3Q2

values (200.00, 2012, 'Silver', "25% Discount on one item over $25")

values (300.00, 2012, 'Gold', "15% Discount on one order over $50")

values (500.00, 2012, 'Platinum', "10% Discount on all 2012 Purchases")

values (225.00, 2013, 'Silver', "25% Discount on one item over $50")

values (350.00, 2013, 'Gold', "15% Discount on one order over $100")

values (600.00, 2013, 'Platinum', "10% Discount on all 2013 Purchases");

quit;

proc sql;

select \*

from ST522.rewardsM3Q2;

quit;

**Log for Last Part**

87 proc sql;

88 insert into ST522.rewardsM3Q2

89 values (200.00, 2012, 'Silver', "25% Discount on one item over $25")

90 values (300.00, 2012, 'Gold', "15% Discount on one order over $50")

91 values (500.00, 2012, 'Platinum', "10% Discount on all 2012 Purchases")

92 values (225.00, 2013, 'Silver', "25% Discount on one item over $50")

93 values (350.00, 2013, 'Gold', "15% Discount on one order over $100")

94 values (600.00, 2013, 'Platinum', "10% Discount on all 2013 Purchases");

NOTE: 6 rows were inserted into ST522.REWARDSM3Q2.

95 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.00 seconds

cpu time 0.01 seconds

96

97 proc sql;

98 select \*

99 from ST522.rewardsM3Q2;

100 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.04 seconds

cpu time 0.04 seconds

**Output for Last Part**

Table

Description automatically generated

**M3L2Q3**

**Code for Last Part**

proc sql;

create table direct\_compensation as

select s.Employee\_ID as Employee\_ID format=8.,

cat(s.First\_Name, ' ', s.Last\_Name) as Name length=30 format=$30.,

scan(s.Job\_Title, 3, ' ') as Level format=$3.,

s.Salary as Salary format=COMMA12.2,

Comm.Commission as Commission,

Comm.Commission + s.Salary as Direct\_Compensation

from ST522.sales as s,

(

select Employee\_ID,

sum(of.Total\_Retail\_price)\*0.15 as Commission

from ST522.order\_fact as of

group by Employee\_ID

) as Comm

where Comm.Employee\_ID=s.Employee\_ID

order by Level, Direct\_Compensation desc;

quit;

proc sql;

select \*

from direct\_compensation;

quit;

**Log for Last Part**

74 proc sql;

75 create table direct\_compensation as

76 select s.Employee\_ID as Employee\_ID format=8.,

77 cat(s.First\_Name, ' ', s.Last\_Name) as Name length=30 format=$30.,

78 scan(s.Job\_Title, 3, ' ') as Level format=$3.,

79 s.Salary as Salary format=COMMA12.2,

80 Comm.Commission as Commission,

81 Comm.Commission + s.Salary as Direct\_Compensation

82 from ST522.sales as s,

83 (

84 select Employee\_ID,

85 sum(of.Total\_Retail\_price)\*0.15 as Commission

86 from ST522.order\_fact as of

87 group by Employee\_ID

88 ) as Comm

89 where Comm.Employee\_ID=s.Employee\_ID

90 order by Level, Direct\_Compensation desc;

NOTE: Table WORK.DIRECT\_COMPENSATION created, with 90 rows and 6 columns.

91 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.02 seconds

cpu time 0.01 seconds

92

93 proc sql;

94 select \*

95 from direct\_compensation;

96 quit;

**Output for Last Part**

Table

Description automatically generated

**M3L2Q4**

**Code for Last Part**

proc sql;

title "Engineering Department Home Phone Numbers";

select Name,

Phone\_Number

from ST522.phone\_listM3Q4

where Department = "Engineering"

order by Name;

quit;

**Log for Last Part**

91 proc sql;

92 title "Engineering Department Home Phone Numbers";

93 select Name,

94 Phone\_Number

95 from ST522.phone\_listM3Q4

96 where Department = "Engineering"

97 order by Name;

98 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.07 seconds

cpu time 0.09 seconds

**Output for Last Part**

Table

Description automatically generated

**M3L2Q5**

**Code for Last Part**

proc sql;

title "T-Shirts under $20";

select Product\_ID,

Product\_Name,

Price

from ST522.t\_shirtsM3Q5

where Price < 20

order by Price;

quit;

**Log for Last Part**

96 \* C ;

97

98 proc sql;

99 title "T-Shirts under $20";

100 select Product\_ID,

101 Product\_Name,

102 Price

103 from ST522.t\_shirtsM3Q5

104 where Price < 20

105 order by Price;

106 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.03 seconds

cpu time 0.04 seconds

**Output for Last Part**

Table

Description automatically generated

**M3L2Q6**

**Code for Last Part**

proc sql;

title "2012 prices > 5 higher than original";

select c.Product\_Name as Product\_Name,

l.Unit\_Sales\_Price as Unit\_Sales\_Price,

c.Price as Price,

c.Price-l.Unit\_Sales\_Price as Increase format=DOLLAR7.2

from ST522.current\_catalogM3Q6 as c,

ST522.price\_list as l

where c.Product\_ID = l.Product\_ID and

c.Price-l.Unit\_Sales\_Price > 5

order by Increase desc;

quit;

**Log for Last Part**

101

102 proc sql;

103 title "2012 prices > 5 higher than original";

104 select c.Product\_Name as Product\_Name,

105 l.Unit\_Sales\_Price as Unit\_Sales\_Price,

106 c.Price as Price,

107 c.Price-l.Unit\_Sales\_Price as Increase format=DOLLAR7.2

108 from ST522.current\_catalogM3Q6 as c,

109 ST522.price\_list as l

110 where c.Product\_ID = l.Product\_ID and

111 c.Price-l.Unit\_Sales\_Price > 5

112 order by Increase desc;

WARNING: Column named Product\_ID is duplicated in a select expression (or a view). Explicit references to it will be to the first one.

113 quit;

NOTE: PROCEDURE SQL used (Total process time):

real time 0.05 seconds

cpu time 0.03 seconds

**Output for Last Part**

Table

Description automatically generated