libname orion '\\7496SVS01\home$\students\8283422\Data';

**proc** **sql**;

create table workkeys as

select Examinee\_1, Test\_1, Level\_Score\_1, Test\_2, Level\_Score\_2, Test\_3, Level\_Score\_3, count (\*) as count,

case

when level\_score\_1 <= **3** then 'Not Proficient'

when level\_score\_1 = **4** then

case

when **3** >= level\_score\_2 then 'Not Proficient'

when **4** <= level\_score\_2 then

case

when **3** >= level\_score\_3 then 'Not Proficient'

when **4** <= level\_score\_3 then "Silver"

else "Error3"

end

else "Error2-1"

end

when level\_score\_1 = **5** then

case

when **3** >= level\_score\_2 then 'Not Proficient'

when **4** = level\_score\_2 then

case

when **3** >= level\_score\_3 then 'Not Proficient'

when **4** <= level\_score\_3 then "Silver"

else "Error3"

end

when **5** <= level\_score\_2 then

case

when **3** >= level\_score\_3 then 'Not Proficient'

when **4** = level\_score\_3 then "Silver"

when **5** <= level\_score\_3 then "Gold"

else "Error3"

end

else "Error2-2"

end

when level\_score\_1 >= **6** then

case

when **3** >= level\_score\_2 then 'Not Proficient'

when **4** = level\_score\_2 then

case

when **3** >= level\_score\_3 then 'Not Proficient'

when **4** <= level\_score\_3 then "Silver"

else "Error3"

end

when **5** = level\_score\_2 then

case

when **3** >= level\_score\_3 then 'Not Proficient'

when **4** = level\_score\_3 then "Silver"

when **5** <= level\_score\_3 then "Gold"

else "Error3"

end

when **6** <= level\_score\_2 then

case

when **3** >= level\_score\_3 then 'Not Proficient'

when **4** = level\_score\_3 then "Silver"

when **5** = level\_score\_3 then "Gold"

when **6** <= level\_score\_3 then "Platinum"

else "Error3"

end

else "Error2-3"

end

else "Error1"

end as Overall 'Overall',

case

when level\_score\_1 <= **3** then

case when level\_score\_2<=**3** then

case when level\_score\_3<=**3** then 'All Not Proficient'

when level\_score\_3>**3** then 'Only Reading Passed'

Else 'Error 1'

End

when level\_score\_2>**3** then

case when level\_score\_3<=**3** then 'Only Locating Information Passed'

when level\_score\_3>**3** then 'Only Locating Information and Reading Passed'

Else 'Error 2'

End

End

when level\_score\_1 > **3** then

case when level\_score\_2<=**3** then

case when level\_score\_3<=**3** then 'Only Math Passed'

when level\_score\_3>**3** then 'Passed Math and Reading'

Else 'Error 3'

End

When level\_score\_2>**3** then

case when level\_score\_3<=**3** then 'Passed Math and Locating Information'

when level\_score\_3>**3** then 'Proficient'

Else 'Error 4'

End

End

End

as lowest

from orion.initial

order by **2**;

select examinee\_1, overall from workkeys;

**quit**;

**proc** **sql**;

select examinee\_1, overall, lowest, Count(\*)

from workkeys

where overall = 'Not Proficient'

group by lowest;

**quit**;