Libname orion '\\7496SVS01\home$\students\8283422\Data\Project '; **run**;

/\* Below is the code used to bring in the raw data from WorkKeys--to create

our first (Initial.sas) of three data sets to be merged.\*/

**Data** orion.Initial;

infile '\\7496SVS01\home$\students\8283422\Data\Project ' firstobs=**2** dlm=',' dsd missover;

length Test\_1 $24. Test\_2 $24. Test\_3 $24.;

/\* The raw data had three rows per observation--So, combined into one row per observation. \*/

input Examinee\_1 8. Test\_1 $ Level\_Score\_1 Scale\_Score\_1 /

Examinee\_2 8. Test\_2 $ Level\_Score\_2 Scale\_Score\_2 /

Examinee\_3 8. Test\_3 $ Level\_Score\_3 Scale\_Score\_3 ;

**run**;

**proc** **print** data=orion.initial noobs;

**run**;

**Data** orion.Initial2;

infile '\\7496SVS01\home$\students\8283422\Data\Project' firstobs=**4** dsd dlm=',' missover;

input Examinee\_1 $ Sex $ Race $ Ethnicity $ ECStatus $ ;

**run**;

**proc** **print** data=orion.initial2 ;

**run**;

**Proc** **Sort** data=orion.Initial;

by Examinee\_1;

**run**;

by Examinee\_1;

**run**;

**Proc** **Sort** data=orion.Initial2;

by Examinee\_1;

**run**;

**proc** **sql**;

Create Table orion.Initial3 as

(Select \*

from orion.Initial as A

full join

orion.Initial2 as B on

A.Examinee\_1 = B.Examinee\_1);

**Quit**;

**proc** **sql**;

Select Examinee\_1 'Student ID', Test\_1, Level\_Score\_1, Test\_2, Level\_Score\_2, Test\_3, Level\_Score\_3, Sex, Race, ECStatus

from orion.Initial3;

**quit**;

**Data** orion.Initial4;

infile '\\7496SVS01\home$\students\8283422\Data\Project\Ranking\_Grade12\_weighted.csv' firstobs=**2** dsd dlm=',' missover;

input Rank Examinee\_1 $ ;

**run**;

**proc** **print** data=orion.initial4 noobs;

**run**;

**proc** **sql**;

Create Table orion.WorkKeys as

(Select \*

from orion.Initial3 as C

full join

orion.Initial4 as D on

C.Examinee\_1 = D.Examinee\_1);

**Quit**;

**Proc** **SQL**;

select \*

from orion.WorkKeys;

**quit**;

/\* Below is the code used to determine the final Career Readiness level from the numerical scores.\*/

**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'

from orion.initial

order by **2**;

select examinee\_1, overall from workkeys

group by **2**;

**quit**;

/\* Below is the code used to determine categorize class rank into the predetermined ranges and to print the graphs.\*/

**Title “Top 10 In Senior Class”;**

**Proc** **SQL**;

Select Rank, Overall

From orion.Scores, Orion.Rank

Where Rank.Examinee\_1=Scores.Examinee\_1

And Rank <= **10**

Order by Rank;

**Quit**;

Title””;

**Proc** **SQL**;

Select Rank, Overall

From orion.Scores, Orion.Rank

Where Rank.Examinee\_1=Scores.Examinee\_1

Order by Rank;

**Quit**;

**Proc** **SQL**;

Create table Orion.Class\_Scores as

Select Overall,

Case

When Rank <= **29** Then 'Top 10 Percent'

When Rank <=**72** and Rank >**29** Then '10-25 Percent'

When Rank <=**143** and Rank >**72** Then '25-50 Percent'

When Rank >**143** Then 'Bottom 50 Percent'

End As Percent

From orion.Scores, Orion.Rank

Where Rank.Examinee\_1=Scores.Examinee\_1

Order by Rank;

**Quit**;

**Proc** **SQL**;

Create Table Orion.Score\_P\_Rank as

Select Distinct Percent, Overall, Count(\*) As Amount

From Orion.Class\_Scores

Group by Percent, Overall;

**Quit**;

Title'10-25 Percent';

**Proc** **gchart** data = orion.Class\_Scores;

pie Overall;

where percent = "10-25 Percent";

**run**;

Title'25-50 Percent';

**Proc** **gchart** data = orion.Class\_Scores;

pie Overall;

where percent = "25-50 Percent";

**run**;

Title'Bottom 50 Percent';

**Proc** **gchart** data = orion.Class\_Scores;

pie Overall;

where percent = "Bottom 50 Percent";

**run**;

Title'Top 10 Percent';

**Proc** **gchart** data = orion.Class\_Scores;

pie Overall;

where percent = "Top 10 Percent";

**run**;