**Practical No. 5**

**Aim**: To create SAS data sets.

**Prerequisite:**

1. Understanding of fundamental programming constructs of Base SAS

**Outcome:** After successful completion of this experiment students will be able to

1. Use a Set command to read from an existing SAS data set.
2. Creation of a new variable using assignments statements.

(TO BE COMPLETED BY STUDENTS)

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| Date of Practical: | Date of Submission: |
| Grade: |  |

**Assignment 1:**

Using the data set orion.customer\_dim, write a DATA step to create a new data set named work.youngadult. the new data set should contain only those observations in which customers are female and their age should be between 18 to 36 years . Also the customers must have word “Gold” in their customer\_Group values.

**Code of the program:**

**data** work.youngadult;

set orion.customer\_dim;

where Customer\_Gender = "F" and

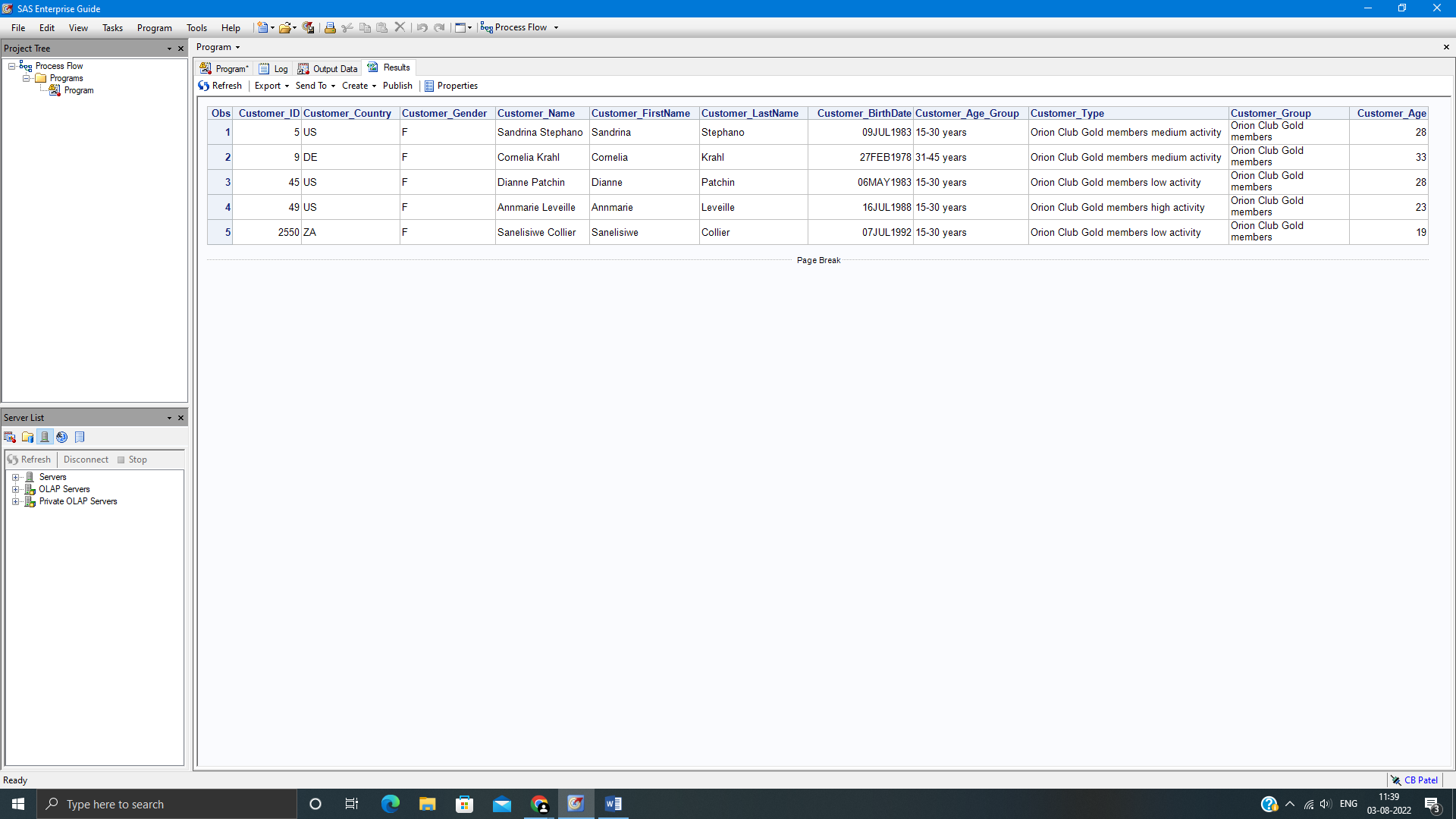
Customer\_Age > **18** and Customer\_Age < **36** and Customer\_Group contains"Gold";

**run**;

**proc** **print** data = work.youngadult;

**run**;

**Output of the Program:**



**Assignment 2:**

Using the data set orion.employees, create a new data set emp\_list by subsetting records with city being ‘San Diego’ and birth date being greater than 20DEC1970.

Add a new column, salary\_new to the data set which computes the salary with 10% bonus.

Sort the new data set by descending salary within descending marital status column.

Apply appropriate formats to the hire date, birth date and salary\_new column. Use ID statement with employee id column and display only name, gender, hire date, birth date and salary\_new column.

**Code of the program:**

**data** work.emp\_list;

set orion.employees;

where City = 'San Diego' and Birth\_Date >**'20DEC1970'd**;

salary\_new = Salary+Salary\***.10**;

**run**;

**proc** **sort** data=work.emp\_list;

by descending Marital\_Status DESCENDING Salary;

**proc** **print** data=work.emp\_list;

format Hire\_date Birth\_Date ddmmyy10.

salary\_new dollar12.2;

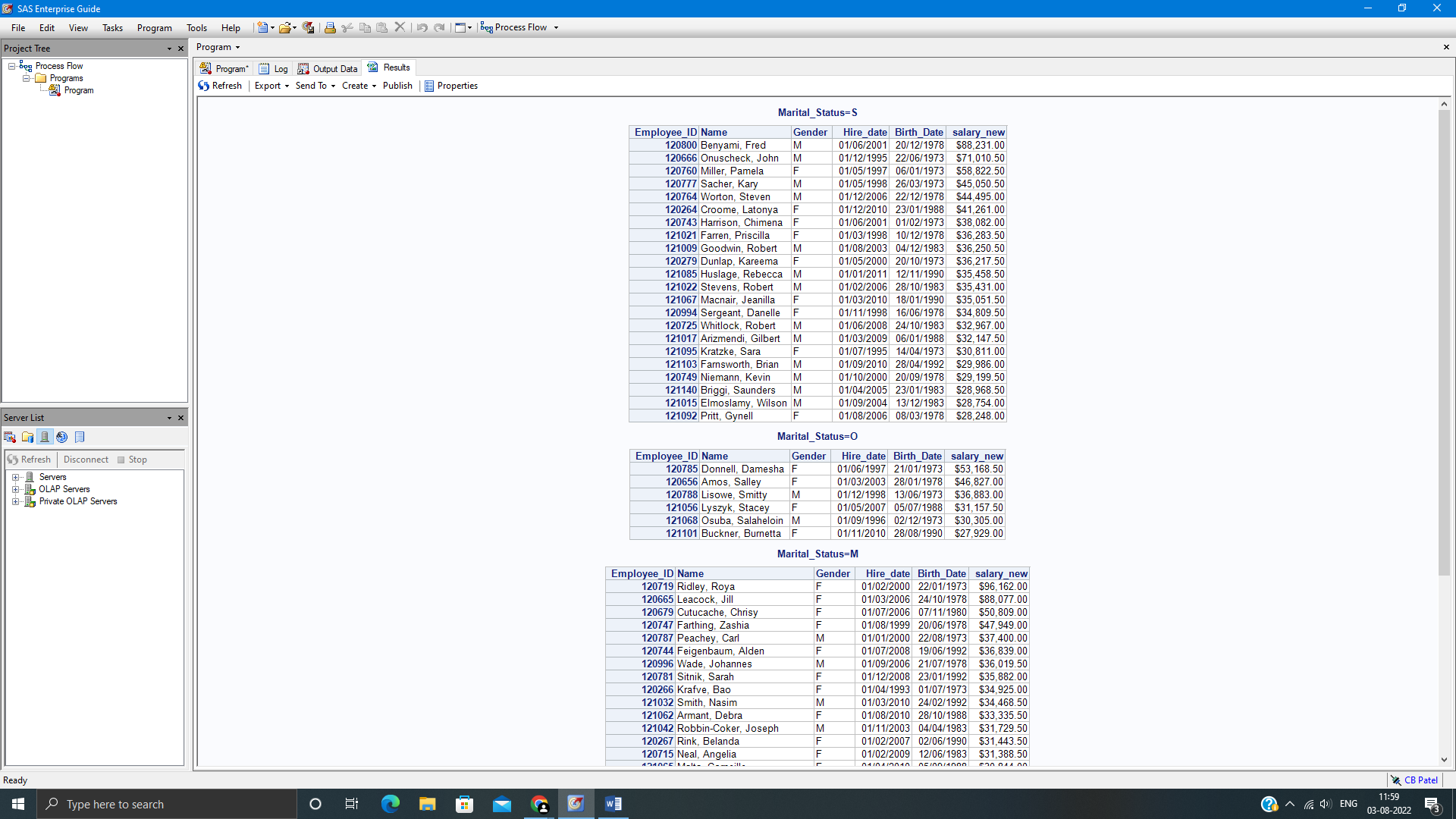
by descending Marital\_Status;

id Employee\_ID;

var Name Gender Hire\_date Birth\_Date salary\_new;

**run**;

**Output of the Program:**



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