**Practical No. 2**

**Aim**: To subset Report Data.

**Prerequisite:**

1. Understanding of fundamental programming constructs of Base SAS

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

1. Use VAR statement to select variables.
2. Use the SUM, WHERE and ID statement to calculate total, select/identify observations.

(TO BE COMPLETED BY STUDENTS)

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| Grade: |  |

Assignment 1:

Use the program below.

**proc** **print** data=orion.order\_fact;

**run**;

Add a WHERE statement to select only the observations with total\_retail\_price more than 500 and Order date to be more than 12th Dec 2009.

Add an option to suppress the Obs column.

Add an ID statement to use customer\_id as the identifying variable and an VAR statement to display customer\_id, order\_id, order\_type,quantity and total\_retail\_price.

**Code of the program:**

LIBNAME orion "d://PA\_2021\_22/Data\_sets";

**proc** **print** data=orion.order\_fact NOOBS;

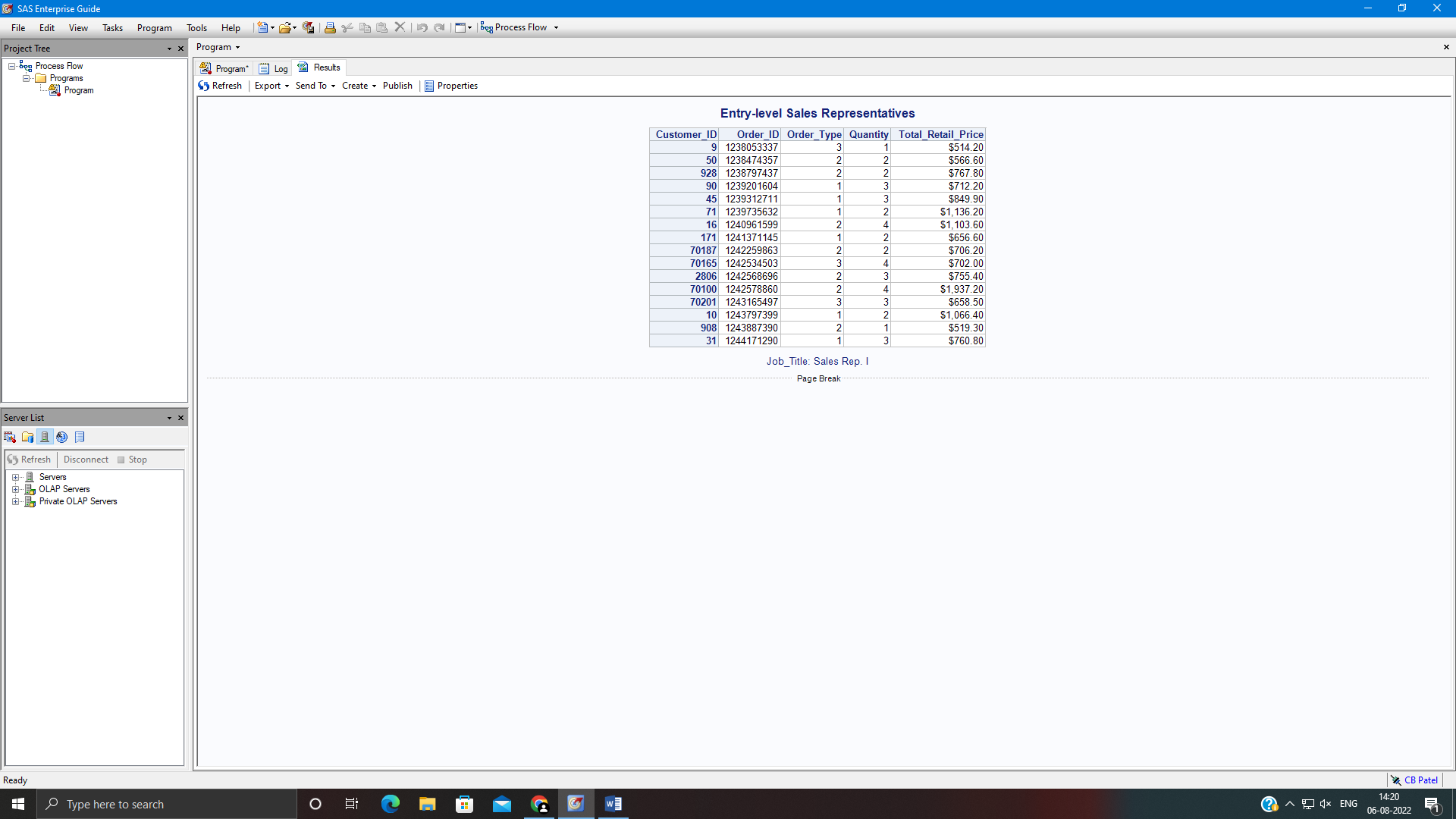
where total\_retail\_price > **500** and Order\_Date > **'12DEC2009'D**;

ID Customer\_ID;

VAR order\_id order\_type quantity total\_retail\_price;

**run**;

**Output of the Program:**



Assignment 2:

Write a PRINT step to display orion.customer\_dim. Modify the program to display a subset of orion.customer\_dim by selecting only the observations for customers between the ages of 30 and 40 also gender being male (Hint: use WHERE SAME operator). Also suppress the Obs column. Add a statement to use customer\_id instead of Obs as the identifying column.

**Code of the program:**

LIBNAME orion "d://PA\_2021\_22/Data\_sets";

**proc** **print** data=orion.customer\_dim noobs;

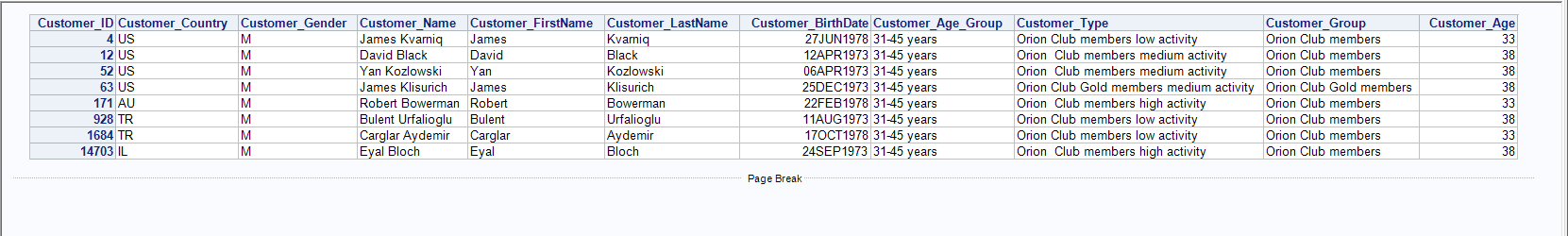
where Customer\_Age>**30** and Customer\_Age<**40**;

where same and Customer\_Gender='M';

id Customer\_ID;

**run**;

**Output of the Program:**

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