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| **Name: Ayush Patel**  **Roll: A232**  **Semester: VII**  **Class: Btech IT (4th year)**  **Batch: A** |
| **Practical-10**  **Aim:** To explicitly control the output of multiple observations to a SAS data set and creates multiple SAS data sets using conditional processing and implement group by operation.   1. Implement the business scenario below to control the observation and variables written to output dataset has shown below.      1. Designed a data step and create stockprice accumulate variable to store aggregate cumulative open price of stock. Use SASHelp.Stock dataset] 2. Designed a data step to group accumulative total of open price by Stock name.[Use SASHelp.Stock dataset]   **Part A** |
| **Theory** |
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| **Procedure:**   1. Open SAS Studio and write the SAS program |
| **Instructions:**   1. Write source code of all stored procedure 2. Copy code & paste in code section of Part B. |
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| **Part B** |
| **Code:**  /\* A \*/ data work.subset;  infile "/home/u59005730/sasuser.v94/sales.csv" dlm=',';  input Emp\_Id First\_Name:$12. Last\_Name:$18. Gender:$1. Salary Job\_Title:$25. Country:$2. BirthDate:date. HireDate:ddmmyy10.; run;  proc print data = work.subset;  title 'Orion Sales Dataset'; run;   proc sort data=work.subset  out=work.unique (keep=Country) nodupkey;  by country; run;  data \_null\_; set work.unique; call execute('data ' !! compress(Country) !! ';   set work.subset; where Country = "' !! Country !! '";   run;'); run;  proc print data = work.AU;  title1 'After Splitting';  title2 'Orion Sales Australia Dataset';  proc print data = work.US;  title1 'After Splitting';  title2 'Orion Sales US Dataset'; run; /\* B \*/ proc print data=sashelp.stocks; run;  data Sample(keep= stock date open stockprice); set sashelp.stocks; retain stockprice 0; stockprice=open+stockprice; run;  proc print data=Sample;  title 'Aggregate Cumulative Open Stock Price'; run;  /\* C \*/ proc print data=sashelp.stocks; run;  proc sort data =sashelp.stocks  out=StockSort;  by stock; run;  data DataStockWise(keep= stock stockprice);  set StockSort;  by stock; retain stockprice 0; if first.stock then stockprice=0;  stockprice=stockprice+open; if last.stock; run;  proc print data=DataStockWise;  title ‘Accumulative Total of Open Stock Price by Stock Name’; run; |
| **Output:**  **A)**    **B)**      **C)** |
| **Observation & Learning:**  Learnt to explicitly control the output of multiple observations to a SAS data set and creates multiple SAS data sets using conditional processing and implement group by operation. |
| **Conclusion:**  Successfully controlled the output of multiple observations to a SAS data set and created multiple SAS data sets using conditional processing and implement group by operation. |