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| **Name:** Ayush Patel  **Roll:** A232  **Semester:** VII  **Class:** Btech IT (4th year)  **Branch:** A |
| **Practical-8**  **Aim:** To merge and concatenate SAS data sets.   1. **Designed data step to performed Concatenation of SAS Dataset has shown below.**      1. **Designed data step to concatenate the unstructured column name**      1. **Designed data step to merge the dataset has shown below with one to many merge.**     **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** |
| **A) CODE:**  data empsdk;  input first $ gender $ country $;  datalines;  Lars M Denmark  Mike M Denmark  Kathy F Denmark  ;  run;  data empsfr;  input first $ gender $ country $;  datalines;  Lars M France  John M France  Paul F France  ;  run;  data Employee;  set empsdk empsfr;  run;  **OUTPUT:**      **B) CODE:**  data empsdk;  input first $ gender $ country $;  datalines;  Lars M Denmark  Mike M Denmark  Kathy F Denmark  ;  run;  data empsfr;  input first $ gender $ region $;  datalines;  Lars M France  John M France  Paul F France  ;  run;  data Employee;  set empsdk empsfr(rename=(region=country));  run;  **OUTPUT:**      **C) CODE:**  data empsau;  input first $ gender $ empid;  datalines;  Togar M 121150  Kylie F 121151  Birin M 121152  ;  run;  proc sort data=empsau  out=empsau2;  by empid;  run;  data phones;  input empid type $ phone;  datalines;  121150 Home 12345  121150 Work 45678  121151 Home 45734  121152 Work 38790  121152 Home 34178  121152 Call 56780  ;  run;  proc sort data=phones  out= phones2;  by empid;  run;  /\* Merge datasets\*/  data merged\_data;  merge empsau2 phones2;  by empid;  run;  proc print data= merged\_data;  run;  **OUTPUT:** |
| **Observation & Learning:** We learned about concatenation of structured and unstructured data and also how to merge the datasets after sorting. |
| **Conclusion:** Successfully concatenated the data and performed one-to-many merge on the two datasets. |
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