

SAS/BASE Course Details

- **Introduction**
 - Base SAS Overview
 - Data Step and Proc Step processing:
 - Concept of PDV, Input Buffer
 - Automatic Variables in PDV (_N_ and _ERROR_)
 - Compilation and Execution Steps of Data Step
 - Concept of SAS library and SAS Catalog
 - Variable Types in SAS
 - Different component of SAS Programs as like statement, keywords, functions and options
- **Creating and Reading the Data by using SAS**
 - Assigning SAS Library
 - Creating data within the SAS by using different input styles (list,column and format)
 - Reading Data stored external to SAS:
 - Infile statement
 - SET statement
 - Importing Data by using Proc Import
- **Data Management by using SAS**
- **Data Step SAS Statements**
 - Creating and Modifying Variables by using Assignment Statements
 - Conditionally Execution of SAS statements by using IF THEN/EISE
 - Sub setting observations by using IF and WHERE statements
 - Managing multiple variables by using ARRAY statement
 - Execution of group of SAS statements repetitively by using DO Loop
 - Referencing ARRAY in DO LOOP
 - Variable Attributes by using RENAME, FORMAT, LABEL statements and so on
 - KEEP and DROP statement to keep and drop the variables from the dataset
 - FILE and PUT Statement
- **SAS Functions**
 - Character Functions: SUBSTR, SCAN, CATX, STRIP, COMPRESS, TRIM, LEFT, CALL Routines and so on
 - Numeric Functions: ROUND, INT, ABS
 - Date,TimeFunctions:DATE,YEAR,QTR,MONTH,TODAY,WEEKDAY,MDY,INTCK,INTNX, DATDIF, YRDIF
 - INPUT and PUT Function to convert variable types
- **Appending and Joining the datasets by using DATA Step**
 - MERGE Statement
 - SET Statement
 - Multiple SET Statements
- **SAS Procedures**
 - PROC APPEND, PROC CONTENTS, PROC COMPARE, PROC REPORT, PROC TABULATE, PROC FORMAT PROC CATALOG, PROC SORT, PROC TRANSPOSE, PROC EXPORT
 - SAS Options and statements available for all above procs
- **Different SAS Global Options**
- **Data Analysis by using SAS**
 - PROC MEANS, PROC UNIVARIATE, PROC FREQ
 - SAS Options and statements available for all above procs