

Lab 1:

Objective(s):

- To be familiar with constants, variables, operators, formatted IO and control statements using FORTRAN programming.

Title:

Write a FORTRAN Program which reads in a temperature in either Fahrenheit or degree centigrade and compute and print out the temperature in opposite scale.

Problem Analysis:

Algorithm:

Flowchart:

Code:

Output (Compilation, Debugging and Testing):

Discussion and Conclusion:

1. Write A FORTRAN Program (WAFP) to display “Welcome to Fortran Language”.
2. Write a FORTRAN program to read three integers of same width using I format specifier.
3. WAFP to read two real numbers in fractional form and display their sum in exponential form.
4. WAFP to read sex code (1: for male & 2: for female) from user and display corresponding sex using computed GOTO statement)
5. WAFP to read a number from keyboard and display whether it is positive, negative or zero.

6. WAFP to find factorial of a number.
7. WAFP to find greatest among five numbers stored in an array.
8. WAFP to read marks of 10 students in a subject and display top three marks.
9. WAFP to read two matrix of size 3X3 and display the sum matrix. Also display the transpose of the first matrix.