

Lab_pr_1-2 Write an algorithm and draw the flow chart to enter the temperature in degree Celsius and display it in Fahrenheit and vice versa. [NOTE]: $C = (5/9) \times (F-32)$

Algorithm:

TemperatureConversion

/*this algorithm will take two floating point numbers as temperature inputs one after another from user to convert from Celsius to Fahrenheit and vice versa*/

1. Read C /* C is temperature entered by user in Celsius*/
2. Set $F = (9 * C) / 5 + 32$ /*Converts Celsius to Fahrenheit*/
3. Write F /*this will display F*/
4. Read F /*F is temperature entered by user in Fahrenheit*/
5. Set $C = (5 / 9) * (F - 32)$ /*Converts Fahrenheit to Celsius*/
6. Display C /*this will display C*/

Flowchart:

