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| **SLO No** | 9.2.2 |
| **SLOs Mapped** | 8.3.2, 9.1.1,9.1.2,9.1.3,9.1.5,9.2.2,9.2.3,9.2.4 |
| **Practical Activity** | To convert Celsius to Fahrenheit temperature and vice versa |
| **Equipment** | Computer |
| **Software** | Dev C++ |

**Practical No 4**

Topic 9: Fundamental of input and output data handling in C

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| **Objective:** |
| Students will be able to  use the arithmetic operators and input output data handling in C language to solve the given arithmetic problem.  Note: You can use any compiler for program execution. |

**Fill the sections below as evidence of the practical activity.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Algorithm** | **Flowchart** | | |
| **Celsius to Fahrenheit** | **Celsius to Fahrenheit** | | **Fahrenheit to Celsius** |
| Step 1:Start  Step 2:Input f  Step 3:C=(f - 32)/1.8  Step 4:Print C  Step 5:Stop |  | |  |
| **Fahrenheit to Celsius** |
| Step 1:Start  Step 2:Input c  Step 3:F=(c \* 1.8)-32  Step 4:Print F  Step 5:Stop |
| **Program Coding** | | | |
| **Celsius to Fahrenheit** | | **Fahrenheit to Celsius** | |
| #include<stdio.h>  int main()  {  float f,C;  printf("Enter Fahrenheit:");  scanf("%f",&f);  C=(f - 32) / 1.8;  printf("Celsius = %f",C);  return 0;  } | | #include<stdio.h>  int main()  {  float c,F;  printf("Enter Celsius:");  scanf("%f",& c);  F=(c \* 1.8) - 32;  printf("Fahrenheit= %f",F);  return 0;  } | |
| **Program Output** | | | |
| **Celsius to Fahrenheit** | | **Fahrenheit to Celsius** | |
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