

CHAPTER - 1: GETTING STARTED

PROBLEM 1.1

Temperature of a city in Farenheit degrees is input through the keyboard. Write a program to convert this temperature into Centigrade degrees.

ALGORITHM

1. Start
2. Declare float variables Farenheit and celsius
3. Take farenheit as input
4. Calculate Celsius from the formula $celsius = ((farenheit - 32) / 1.8)$
5. Display the farenheit and celsius values
6. Stop

PSEUDOCODE

```
DECLARE FLOAT farenheit, celsius
INPUT farenheit
ASSIGN celsius to ((farenheit - 32) / 1.8);
DISPLAY "Value in farenheit is: "
DISPLAY farenheit
DISPLAY "Value in celsius is: "
DISPLAY celsius
```

FLOWCHART

```
flowchart TD
    A([Start]) --> B[Declare fahrenheit and celsius]
    B --> C[/Take fahrenheit as input/]
    C --> D[Calculate celsius using the formula]
    D --> E[/Display celsius/]
    E --> F([End])
```