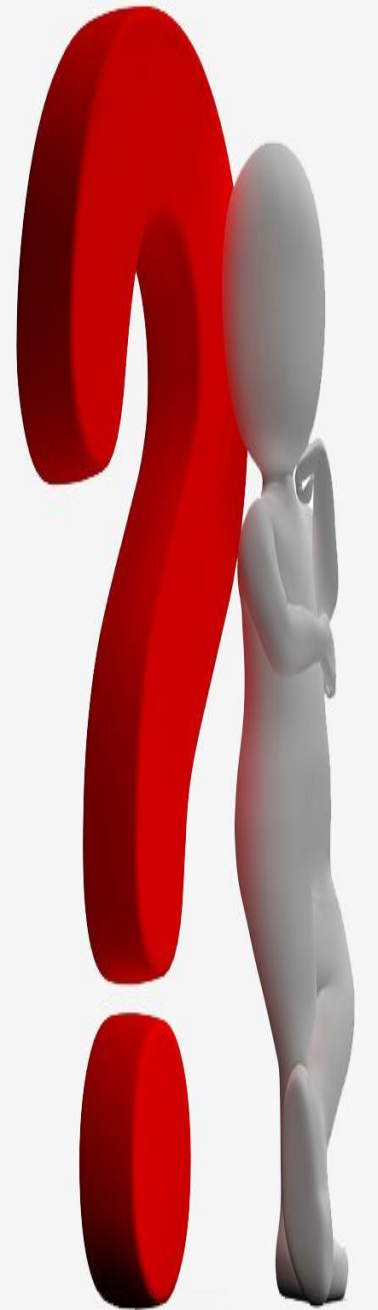# problem 14

the *wind chill index* (WCI) is calculated from the wind speed v in miles per hour and the temperature t in Fahrenheit. Three formulas are used, depending on the wind speed:

if (0 <= v <= 4) then WCI = t

if (v >=45) then WCI = 1.6t - 55

otherwise, WCI = 91.4 + (91.4 - t)(0.0203v - 0.304(v)1/2 - 0.474). Write a program that can calculate the wind chill index.

expected output:


```
C:\Windows\System32\cmd.exe                              ☐  ☐  ☒

Microsoft Windows [Version 10.0.17134.228]
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E:\IMT C pool\if conditions\p14>gcc main.c

E:\IMT C pool\if conditions\p14>a
Enter wind speed in mph (-1 to stop): 50
Enter temperature in Fahrenheit: 20

For wind speed = 50.00 and temperature = 20.00
Wind Chill Index is: -23.00


E:\IMT C pool\if conditions\p14>
```