Problem C3. (Unified Computers and programming)

1. Compile Program 3.8 (Distance_With_Errors.adb, Feldman-Koffman, Page 107) into a listing file. Turn in a hard copy of the listing file.

2. Correct the errors in Program 3.8. Turn in a hard copy of the listing of the modified program and an electronic copy of your code.

3. Write an algorithm to
   a. Accept the weight of the user (in kilograms)
   b. Compute the equivalent weight in pounds
   c. Display

      ```
      weight_in_kg" kg = "weight_in_pounds" lb
      ```

      where `weight_in_kg` is the entered value and `weight_in_pounds` is the computed value.

   Hint:
   I. Write down the mathematical formula that you would use. The algorithm will flow from that.
   II. Identify inputs and outputs
   III. 1 pound = 0.453592 kilograms.

4. Write an Ada95 program to implement your algorithm from question 3 above. Turn in a hard copy of your program listing and an electronic copy of your code.