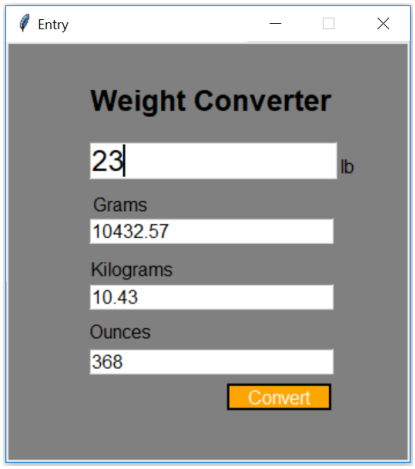
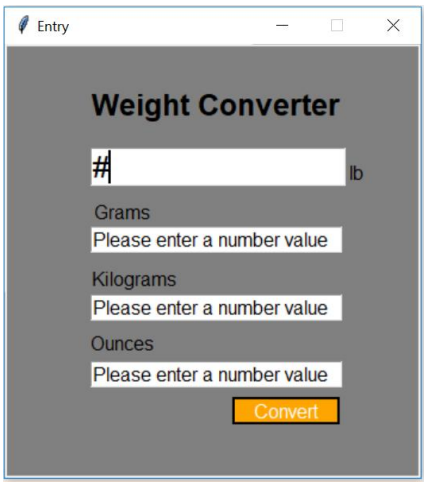
Once developed, and tested, create a pdf explaining how you applied the 6 steps of the software development process, pictures included in pdf.

1. **Analyze the problem:** Reviewing and documenting what the user wants to implement program in this case “weight conversion” from pounds to grams, kilograms and ounce.

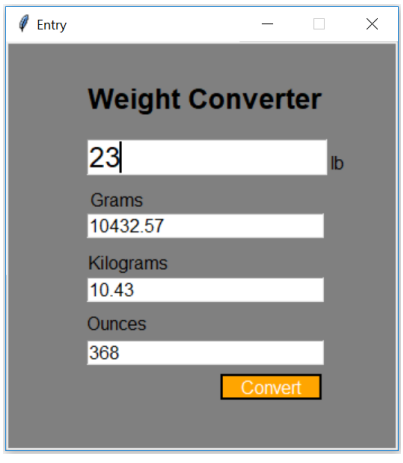
2. **Determine Specifications:** The program will show a window where the user will enter the value in pounds and the program will show the result in grams, kilograms and ounces.



If the user enters a letter instead a number, it will display a message saying invalid input, please enter a number on the entry box.



3. **Create a Design:** When the user enters a value let consider that is a number in this case the value is a number it will convert that value of pounds into grams, kilograms and ounces.



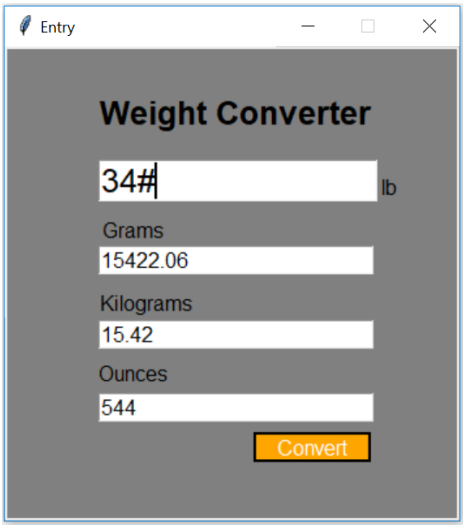
The weight convert name will display on top of the entry box which show lb representing pounds, follow by grams and the entry box below as well as kilograms follow by ounces and finally the convert button at the bottom.

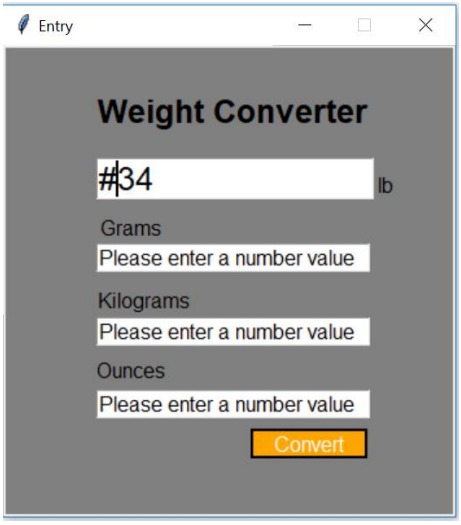
4. **Implement the Design:** it is where the implementation is translated into a computer language. Some of the functions that are used to make the program.

```
""" Message display when user enter the wrong value"""
def wrongValue(grams,kilos,ounces):
   grams.setText("Please enter a number value")
   kilos.setText("Please enter a number value")
   ounces.setText("Please enter a number value")

   """ Conversion values"""
def weightGrams(pounds):
   grams = (pounds * 453.59)
   return(round(grams, ndigits=2))

def weightOunces(pounds):
   ounces = (pounds * 16)
   return(round(ounces, ndigits=2))

def weightKilograms(pounds):
   kilos = (pounds * .4535)
   return(round(kilos, ndigits=2))

def weightC():
   """ The dimension of the display"""
   win = GraphWin("Entry",345,360)
   win.setCoords(0.0,0.0,3.5,3.5)
win.setBackground("gray")
```

“”” Continues ”””

5. **Test / Debug the program:** the program is run to see if it works as should be and test it to see any error any issue entering the values.





6. **Maintain the Program:** the development of the program is adjusted to the need of the users. For instance: in the future the program can convert more weight units.