Exam One – Applied Problem for CS 1093 - Fulenwider

Problem – The name of your file should be first and last initial + ExamOne.py (example: gfExamOne.py)

Design and write the python program that addresses the shipping for our company, UDD – United Drone Delivery that we plan on starting in 2023.

Input:

- milesToAddress - int
- weight - int

To meet all the qualifications for charges, apply the following

Constraints for charges:

- Base charge: milesToAddress (int data type):
  - 10 miles and under – 4.95
  - 11 miles and over – 7.95
- Shipping cost is as stated below for weight cost addition to the total (indicate drone deliver by an int variable set to 0 and "can't deliver" by setting the variable to 1):
  - Below 3pds – 2 dollars – drone delivery
  - Below 6 pds – 5 dollars – drone delivery
  - Above 5pds – 10 dollars – cannot be drone delivery
- We cannot drone deliver when milesToAddress is over 20 miles no matter what the weight is:
  - Drone Delivery is a discount of 5.00
  - When cannot drone deliver, assign it a value of 0

Output (we have done this on labs, videos and in practice code ___ line is not a required print, just my separator indicator):

- 0 in position indicates a value printing, even if 0
- # indicates a floating value and no print if 0
- same on $ except print at least one $ to right of decimal

Standard charge: ##.00 (for instance: .25, 1.00, 14.20, etc)
Weight charge: ##.00
Drone discount: ##.00
Total Shipping Charge: $$$.00 ($.25, $2.15, $26.00, etc.)

Action:

Submit your .**py** file (the code, not the image of execution) to the "Problem Sets" in Blackboard.