Richard Hayes Crowley

01/28/2021  
CSC\_157\_LAB\_01   
  
**Source code:**

*# Richard Hayes Crowley*

*# 01/28/2021*

*# CS\_157\_Lab\_01*

print("\nRichard Hayes Crowley\n01/28/2021\nCS\_157\_Lab\_01\n")

totalCost = 0.0

appName = ""

costPerKW = 0.0

annualUsage = 0.0

class EmptyValue(Exception):

"""Custom exception for empty appliance name"""

*pass*

print("[ please enter the requested data ]")

*for* i *in* range(6):

*while* True:

*try*:

appName = input("appliance name: ")

*if* not appName:

*raise* EmptyValue

costPerKW = float(

input("cost per KW - hr of the appliance (in cents): "))

annualUsage = float(input("annual usage (in KW - hr): "))

*break*

*except* EmptyValue:

print("Please enter an appliance name before continuing")

*except* ValueError:

print("input is not a float type, try again!")

totalCost += annualUsage\*costPerKW

print("")

print(f"The total cost of the annual usage is: ${round(totalCost,2)}")

**Output:**

Text

Description automatically generated