JAVA LAB 02

Submit Screen Shots as specified in this Document. Submit Code separately.

A shipping company uses the following to calculate the cost (in dollars) of shipping based on the weight

of the package (in pounds).

1. Use the code on the next page to write a program that prompts the user to enter the weight of the package and displays the matching message as per the chart below. (/12)
2. Add proper comments to the beginning of the code to include your Full Name, Student ID, Course Name, and Lab number.
3. Ensure the name of the class to ends in \_AAA### where AAA is the first 3 letters of your first name and ### is the last 3 digits of your student number. (Eg. ComputeCharge\_LOU971)(1 point)
4. Add \_AAA### to the variables where AAA is the first 3 letters of your first name and ### is the last 3 digits of your student number. (1)
5. Run the program in the console 6 times and take screen shots for the following values (/6):

-1

0.5

2.3

6.7

28.25

31

1. Use a While Loop to adjust the input to continue to ask for a value until a valid number is given between 0.1 and 30 (4)
2. Run the program in the console with the following values 1 time

-1

31

29

Take one screen shot to show the program prompts you to input a correct value. (1)

|  |  |
| --- | --- |
| **Weight** | **Action** |
| Less that 0.1 | Display “Error: Invalid Input.” |
| 0.1 – 1.0 | Display ”The cost of shipping is $2.25.” |
| 1.1 - 5 | Display ”The cost of shipping is $5.75.” |
| 5.1 – 15 | Display ”The cost of shipping is $7.50.” |
| 15.1 - 30 | Display ”The cost of shipping is $10.25.” |
| More than 30 | Display “The package is too heavy and cannot be shipped.” |
| Sample Run 1:  What is the weight of the package (in pounds): -2  Invalid input  Sample Run 2:  What is the weight of the package (in pounds): 10  The cost of shipping is $7.5  Sample Run 3:  What is the weight of the package (in pounds): 31  The package is too heavy and cannot be shipped | |

import java.util.Scanner;

public class ComputeCharge {

public static void main(String[] args) {

// Create a Scanner

Scanner input\_LOU971 = new Scanner(System.in);

// Receive the input

System.out.print

// Display results

}

}