

## DEVRY CIS 115 Week 4 Exercise

**Check this A+ tutorial guideline at**

**<http://www.cis115assignment.com/cis-115/cis-115-week-4-exercise>**

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**TCO #4 – Given a simple business problem that requires one or more decisions, create a solution algorithm that uses decisions with logical and relational expressions.**

**TCO #9 – Given a program with logic errors that is intended as a solution to a simple business problem, employ debugging diagnostics to remove and correct the errors.**

**Assignment: You will need to design an application that will receive the weight of a parcel and calculate and display the cost per kg and the delivery charge for that parcel. Calculate the charges using the following data:**

**Parcel Weight (kg) Cost per kg (\$)**  
**< 2.5="" kg="" \$3.50="" per="" kg="">**  
**2.5 to 5 kg \$2.85 per kg**  
**> 5kg \$2.45 per kg**

**Make sure that the weight entered is a positive number, otherwise your program should display an error message and end. Test your algorithm with the following**

**THREE sets of data:**

**Test case 1: package weight of 2 kg**

**Test case 2: package weight of 5 kg**

**Test case 3: package weight of 6 kg**

**Rubric:**

**When completed staple the following documents together neatly in 1,2,3,4 order:**

- 1) This instruction sheet first**
- 2) The IPO Chart, second**
- 3) The Pseudocode, third**
- 4) The Flowchart and output example last.**

**Point distribution for this application:**

**Parcel Charges**

**Document:**

**Points possible:**

**Points received**

**IPO Chart**

**5**

**Pseudocode**

**5**

**Flowchart and output**

**10**

**Total Points**

**20**

**IPO Chart:**

**Input**

**Processing**

**Output**

**Pseudocode:**

**Begin parcelCharges**

**End**

**Flowchart:**

**Example Output after execution:**