CSCI-101 Pre-lab Assignment

Week of Sep 12

Problem Descriptions

Write a program in a file named **Mean.java** that does the following.

- Ask the user to enter three decimal values.
- Read the values into variables named **exam1**, **exam2**, and **exam3**.
- Declare a variable named **average** and set it equal to the <u>mean</u> of the 3 exam grades.
- Declare and set a Boolean variable named **pass** to **true** if **average** is greater than **73**, otherwise set **pass** to **false**.
- Print **"average: "** followed by the value in the variable **average**.
- Print **"student passes: "** followed by the value in the variable **pass.**

Write a program in a file named **Cost.java** that does the following.

- Asks the user to enter a food quality (A, B, or C).
  - If the food quality is A then the item cost is 1.5.
  - If the food quality is B then the item cost is 1.0.
  - If the food quality is C then the item cost is 0.5.
- Next, ask the user to enter in a quantity (integer).
- Read in the value.
- Compute the purchase cost which is equal to the quantity times the item cost.
- Print to the screen "Purchase cost: " followed by the purchase cost.