

Computer Programming: Basic I

GameBoard: Module 4 Game Skills 4
Assignment: 4.09

Points: 10
Time: 45 min

Problem Definition: Florida Virtual High School needs a program that calculates the cost of computer supplies. Your job is to write a program that will accept the quantity of 5 items and print out a table that shows the amount spent for each item and the total cost.

Specific Considerations: The following table shows a sample output for the Quantities entered by a user.

FVS Computer Supplies			
Supplies	Cost/Item	Quantity	Total Cost of Item
Paper	25.00	2	\$50.00
Color Ink Cartridge	23.95	4	\$95.80
B&W Ink Cartridge	19.90	5	\$99.50
Diskettes	.59	25	\$14.75
Recordable CDs	4.95	6	\$29.70
Grand Total			\$289.75

- Read in the name of each item and its cost (use the data shown in the table above).
- Ask the user to input how many he/she wants (quantity) of each item in the list.
- Calculate the total cost of each individual item.
- Calculate the grand total cost of all items.
- Print the results neatly in a table format (see the example).
- Make the table look interesting by using different colors.

Flowchart: A flowchart is required. Save the file as *supplies* (extensions will vary). Remember when the parallelogram is used *and* why data items are not to included in a flowchart.

Check Your Understanding: Remember the one-to-one correspondence between the variables in a **READ** statement and the data in a **DATA** statement. Make sure your **PRINT USING** statements cause the data to line up as shown in the example and that dollar signs are included (\$) in the last column.

Grading Rubric: This assignment is worth 10 points and will be graded according to the following rubric.

- Required statements used: 2 out of 2 points
- Flowchart used: 2 out of 2 points
- Required material included: 2 out of 2 points
- Program ran properly: 2 out of 2 points
- Proper output: 2 out of 2 points

Submission Instructions: Save the program as *supplies.bas* and submit the two zipped files as *supplies.zip* file through the In Box as **Assignment 04.09**.