

C++ Selection Structures

Do the following problems:

#1: A mail order house sells five different products whose retail prices are: product 1 - \$2.98, product 2 - \$4.50, product 3 - \$9.98, product 4 - \$4.49, and product 5 - \$6.87. Write a program that reads a pair of numbers from the user. The first number is the product number, the next is the quantity sold. The program should use a switch statement to calculate and display the total value.

#2: A company pays its employees as managers (fixed salary), hourly workers (fixed hourly wage for the 1st 40 hours and then time-and-a-half for anything over 40 hours), commission workers (\$250 + 5.7 % of their sales), and piece workers (a fixed amount for each piece they produce). Write a program to calculate the gross weekly pay of an employee. The user should enter the type of employee. You will then ask the user for the specific information about that employee type. For example, if the user enters hourly worker, ask them to enter the hourly rate and the number of hours worked. Then calculate and display the gross weekly pay.

Print out your source code for each program and turn them in with this scoring guide. This assignment is due at the end of the day. No late work will be accepted without first clearing it with Mr. Hanley

Name: _____

Items	Points possible			
	1	2	3	4
# of syntax errors	3	2	1	0
# of programs that run			1	2
# of programs that do what they are supposed to do		1		2
Appropriately named programs			1	2
Inappropriate variable names	3	2	1	0
Missing header comments	5-6	3-4	1-2	0
Spelling errors or other display issues	4-5	2-3	1	0
Turned in with original assignment sheet				Yes

Total Points: _____ out of 32

- Appropriate program names are NOT app1, program1, etc. They should be named as to what they actually do.
- Appropriate variable names are NOT iTemp, x, y. They should be named as to what they are used for.
- Header comments are: Name, program name, date created, purpose, and copyright