SkillsUSA
2010 Contest Projects

Computer Programming

Click the "Print this Section" button above to automatically print the specifications for this contest. Make sure your printer is turned on before pressing the button.

A furniture and appliance dealership has asked you to create a sales screen to allow the salespeople to figure a customer order.

Buttons will include: At the bottom
         Calculate
         Clear (allows for another entry, reset to another amount)
         Exit
All screens will be clearly labeled with contestant number, program number and title.
All boxes will be clearly labeled.
Screen will have company name, complete address and phone. Allow salespeople to select from 5 pieces of furniture or appliance (of your choice), the selection will be made from a list on your screen, list will include furniture or appliance price.
Examples:
    Stoves, refrigerators, dishwashers, chairs, sofas, etc.
Screen will have the following.
 Input
    List of 5 items with their product number and price on the screen
    Product number   1 – 5
    Number of the items ordered
    Months to pay
 Output
    Product ordered name and amount
    Number of items ordered
    Months to pay
    Monthly payment
    Total amount of items

Calculated screen will show their choice of the above items; calculated total price and monthly payment. Remember that part of the judging is based on the proficiency of your code.

When you have completed this program put your number and time on the sheet for the first program, the judge will take you in turn for execution for the correct output. When approved, print out your code instructions and screen. Clearly mark with your assigned contestant number and had in to judges table. Go on to next program.

NATIONAL CONTEST PROGRAM #2

COMPUTE NEW YEARLY SALARY

You are to write a program to display the salaries projected for next year.

Input data: Employee Number   1 – 5
            Employee rating for the year   1 – 3
            Employee current salary
            Number of years with the company

Output data:
            Employee name retrieved from store in the program
            Employee number
            Employee rating
            Number of years with the company
            Current salary
            New salary
            Amount of increase

Employee rating 1 = 5%
                2 = 7%
                3 = 9%
Employee's with 10 years and more receive and additional 3%.
Employee's with 15 years and more receive and additional 5%.

When you have completed this program sign the sheet and wait for the judges to execute
for the correct output. When approved print out your code and instructions. Clearly
mark with your assigned contestant number and hand in to judge. Wait until the judges
have graded both of your programs and you are free to leave.