

SkillsUSA

2012 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.

National Contest Program #1
2012
Title
Fast Food Ordering Program

You will write a program to create a screen which will allow the user to order from one of three different fast food chains.

Screen #1

Welcome Message (make up your own)
Customers Name -----
Customers Address -----
Customers Phone # -----
Pick-up -- or Delivery -- (\$5.00)

Name of three different Fast Food Locations to select from.

Do not have to be hamburger type, maybe different types of food.

Screen #2

Name, Address and Phone of the location they selected.
List at least seven main selections with price.
List at least four side orders with price.
List at least five different drinks with price. (Large, Medium or Small)
How many are you ordering? (All orders will be the same)

Screen #3

Customers Name -----
Customers Address -----
Customers Phone # -----

List what they ordered and total price; delivery will be an additional \$5.00

Buttons will include.

Calculate
Clear
Exit

All screens will be clearly labeled with contestant number, program number and title.
All boxes will be clearly labeled.

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 second program, the judges 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 hand in to judges table.

NATIONAL CONTEST PROGRAM #2

Grade Report

You are to write a program to calculate grades from the following data

Input data: Student name
Student number
Course code
Course numeric grade

Use course code to lookup the course description from a table or array in your program.
If unable to do a table or array convert the Course code by using “If” or “Select” statement.

Convert the numeric grade to a letter grade. A = 90 and above
B = 80 to 89
C = 70 to 79
D = 60 to 69
F = below 60

Course Codes = M for Math
E for English
G for Gym
H for History

Output: Name, number, code, numeric grade, course name, letter grade

When you have completed this program sign the time sheet and wait for the judges to select you and execute for the correct output. Check all work carefully, any changes, corrections or improvements to any of your programs should be made now. When approved print out your code and instructions. Clearly mark with your assigned contestant number and hand in to the judges.

At this point your contest is completed. Fill out the evaluation form of the contest turn it in and you are free to go.