

SkillsUSA

2015 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.

**2015
National
SkillsUSA**

**Computer Information
Systems**

**Programming Competition
Contestant Packet**

Louisville, KY

June 25, 2015

National Contest Program #1

Food Program

You will write a program to create a screen which will allow the user to enter quantities of items to purchase from your food truck. Taxes are included in the price. You must have a running total of all sales for the day.

Item for sale: Hot Dog \$2.50

Brat \$3.50

Hamburger \$5.00

Fries \$2.00

Soda \$2.00

Water Free

Buttons or choices will include:

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.

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 of your program to check for correct output. When approved, print out your source code. Clearly mark with your assigned contestant number and hand in to the judges table. Go on to the next program.

National Contest Program #2

Grade Program

You will write a program to create a screen which will allow for the entry of grades for 5 different classes. Each class will keep track of the grades with an average grade to be shown when selected. Output will also include high score and low score for each class. Additionally scores of .5 will be rounded up to the next whole number for the average score. Example a score of 89.5 will be 90 on the final average.

Classes: Programming, Art, Science, Math, and History.

Output will include:

Class Name
Scores Entered
Current Average
High Score
Low Score

Buttons or choices will include:

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.

When you have completed this program put your number and time on the sheet for the second program, the judge will take you in turn for execution of your program to check for correct output. When approved, print out your source code. Clearly mark with your assigned contestant number and hand in to the judges table. Do not leave the area until both of your programs have been demonstrated to the judges.