

SkillsUSA

2013 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.

State Contest Program 2012

Batting Percentages

You will write a program to create a screen which will allow the user to find the batting average and slugging percentages of a baseball player. Use the following input information.

Input data:

Player name

Player team code (1,2,3,4,5)

Number of times at bat

Number of singles (1 base hit)

Number of doubles (2 base hit)

Number of triples (3 base hit)

Number of home runs (4 base hit)

The batting average is number times at bat divided into the number of hits. The slugging percentage is the number of singles (1 base hit), plus the number doubles (2 base hits) times 2, plus the number of triples (3 base hits) times 3, plus the number of home runs (4 base hits) times 4, divided by the number of times at bat.

First Output Screen:

All the above (Team name comes from a table or array of the team names)

Plus: Batting average

Slugging percentage

Final Screen at the end of the program:

Player name and average of the highest averaged player

Buttons will include.

Calculate

Clear (allows for another entry, reset to player name)

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. 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

Pizza Ordering Program

You will write a program to create a screen which will allow the user to order up to two pizzas. Use the following menu.

Screen #1

Customers Name -----	
Number of Pizzas Ordered -----	
Pizza # 1	Pizza # 2
Large \$15.95 ---	Large \$15.95 ---
Medium \$12.95 ---	Medium \$12.95 ---
Small \$10.95 ---	Small \$10.95 ---
Toppings Cost	Toppings Cost
Per Topping \$1.25 ---	Per Topping \$1.25 ---
Shape	Shape
Round ---	Round ---
Square ---	Square ---
Crust	Crust
Thick ---	Thick ---
Thin ---	Thin ---

Screen #2

Will display the customers name and above ordered items and total price.

If one ordered show one and total, if two ordered show the two separately with total price for both.

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.

