

## Clothing Sizes

### Problem Description:

Write a program that asks for the user's height, weight and age, and then computes clothing sizes according to the following formulas:

Hat size = weight in pounds divided by height in inches and all that multiplied by 2.9.

Jacket size (chest in inches) = height times weight divided by 288 and then adjusted by adding 1/8 of an inch for each 10 years over age 30. (Note that the adjustment only takes place after a full 10 years. So, there is no adjustment for ages 30 through 39, but 1/8 of an inch is added for age 40.)

Waist in inches = weight divided by 5.7 and then adjusted by adding 1/10 of an inch for each 2 years over age 28. (Note that the adjustment only takes place after a full 2 years. So, there is no adjustment for age 29, but 1/10 of an inch is added for age 30.)

Each calculation MUST be done in its own function. Output answers in decimal form to the nearest tenth of an inch. Your program should allow the user to repeat this calculation as often as the user wishes. Hint: Use integer division for the adjustment calculations.

### Example Output:

```
Enter your height in inches: 70
Enter your weight in pounds: 190
Enter your age in years: 49

Your Hat Size is 7.9.
Your Jacket Size is 46.3.
Your Waist Size is 34.3.

Would you like to run the program again (Y or N)? n
```

### Required Test Cases:

```
Height = 70, Weight = 185, Age = 25
Height = 70, Weight = 185, Age = 33
Height = 70, Weight = 185, Age = 71
```

### Skills:

•Var •Con I/O •Format •Logic •Loops •Functions ◦Call by Ref ◦File I/O ◦Arrays ◦Strings ◦GM