**Assignment 3 – Programming Challenge 1 – Guess the Secrets**

Write a program that will ask the user to enter a person’s age, their weight, and their birth month. Your program will compare the entered values to the following and print the appropriate responses. Be sure to use modules.

|  |  |  |
| --- | --- | --- |
| **The Secret Answers** | **The Comparison** | **The Printed Response** |
| age = 25 | If the guessed age is less than or equal to 25 | Congratulations, the age is 25 or less |
| weight = 128 | If the guessed weight is greater than or equal to 128 | Congratulations, the weight is 128 or more |
| birthMonth = ‘April’ | If the guessed birth month is equal to April | Congratulations, the birth month is April |

Hint: This program can be written a few different ways. It is suggested that only three variables are used to store the guessed answers to age, weight, and birthMonth. The pseudocode for main might look as follows:

Module main ()

//Declare local variables

Declare Integer age

Declare Integer weight

Declare String birthMonth

//Function calls

Call getAge(age)

Call getWeight(weight)

Call getMonth(birthMonth)

Call correctAnswers(age, weight, birthMonth)

End Module

If the program is written properly, sample output should look as follows:

Sample 1:

**//Input**

Enter your guess for age: 20

Enter your guess for weight: 140

Enter your guess for birth month: March

**//Output**

Congratulations, the age is 25 or less.

Congratulations, the weight is 128 or more.

Sample 2:

**//Input**

Enter your guess for age: 32

Enter your guess for weight: 119

Enter your guess for birth month: April

**//Output**

Congratulations, the birth month is April.

Sample 3:

**//Input**

Enter your guess for age: 58

Enter your guess for weight: 128

Enter your guess for birth month: January

**//Output**

Congratulations, the weight is 128 or more.

**The Python Code**

**PASTE CODE HERE**

**def** person():  
 **global** age  
 **global** weight  
 **global** month  
 age = int(input(**"Please enter your age: "**))  
 weight = int(input(**"Please enter your weight : "**))  
 month = str(input(**"Please enter your birth month: "**))  
  
**def** getAge():  
 **if** age <= 25:  
 **print**(**"Congratulations, the age is 25 or less"**)  
  
**def** getWeight():  
 **if** weight >= 128:  
 **print**(**"Congratulations, the weight is 128 or more"**)  
  
  
**def** getMonth():  
 m=**"April"**.lower()  
 **if** month==m:  
 **print**(**"Congratulations, the birth month is April"**)  
  
**def** main():  
 person()  
 getAge()  
 getWeight()  
 getMonth()  
main()