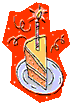
Program 85c

Birthday Game(mod and div)

BirthdayGame is played with one player. The player is given directions for

computing a number that uses the player's birth month and birth day in the calculations:

Directions given:

1. Determine your birth month (January = 1, February = 2, March = 3, …).

2. Multiply that number by 5.

3. Add 6 to that number.

4. Multiply that number by 4.

5. Add 9 to the number.

6. Multiply that number by 5.

7. Add your birth day to the number

(ex. If you were born on the 10th, add 10, if born on the 25th add 25, and so on).

Next you must prompt the user to calculate and input their number.

Finally, your code will perform some calculations and output the user's birthday.

To determine the player's birthday you must:

* subtract 165 from their number
* this number (from the step above) is then divided by 100. The whole portion of the quotient represents the birth month. The remainder of the division is the birth day.

ex. if after subtracting 165 their number was 725 you would

725/100 = 7.25 (you only want the 7, it will represent the month (July))

7

(you want the 25, it represents the day the user was born)

-700

25

The last step is to tell the user when their birthday is.

Example Run:

Thanks for playing my Birthday Game. Follow the directions given below and I will use all my

skills to tell you the day you were born. Have fun‼!

1. Determine your birth month (January = 1, February = 2, March = 3, …).

2. Multiply that number by 5.

3. Add 6 to that number.

4. Multiply that number by 4.

5. Add 9 to the number.

6. Multiply that number by 5.

7. Add your birth day to the number (ex. If you were born on the 10th, add 10, if born on the 25th add 25, and so on).

What is your number? 393

Your birthday is: 2/28