

Kieran Yalla

Programming Project 1

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// Kieran Yalla
// Class: CMSC140 CRN
// Instructor: Professor Koo
// Programming Project 1
// Write a program that presents itself and interacts with the user
// Due Date: 9/21/21 4:00pm EST
// I pledge that I have completed the programming assignment independently.
// I have not copied the code from a student or any source.
// I have not given my code to any student.
// Print your Name here: Kieran Yalla
```

(had to put as image because word and google docs were being weird with this)

Test Case #	Input	Actual input	Expected Output	Actual Output	Did Test Pass?
1	Visitor Name	John	John	Same as expected output	Yes
	Age	17	17 years, 204 months, 6120 days, 146880 hours, 8812800 minutes, 528768000 seconds, 119 dog years, 85 goldfish years	Same as expected output	
	Integer 1	4	4+5=9, 4/5=0, 4.0/5.0=0.8	Same as expected output	
	Integer 2	5			

```
Hello, welcome to Montgomery College! My name is Nao, The most advanced AI out there. May I have your name please? John
I like that name, well its nice of you to be with us today, John How about we play a little game together?
Please enter the age of an important pet or person to you.
Please enter only a number.
17
Thank you for the information. You have entered: 17. If this is for a person, the age can be expressed as 17 years
or 204 months
or about 6120 days
or about 146880 hours
or about 8812800 minutes
or about 528768000 seconds.
If this is for a dog, it is 119 years old in human age.
If this is for a gold fish, it is 85 years old in human age.

Lets play another game, John. Give me a whole number.
4
Very well. Give me another whole number.
5

Using the operator '+' in C++, the result of 4 + 5 is 9.
Using the operator '/', the result of 4 / 5 is 0
however, the result of 4.0 / 5.0 is about 0.8.

Thank you for testing my program!!PROGRAMMER: Kieran Yalla
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...Program finished with exit code 0
Press ENTER to exit console.[]
```

Test Case #	Input	Actual input	Expected Output	Actual Output	Did Test Pass?
2	Visitor Name	Robert	Robert	Same as expected output	Yes
	Age	27	27 years, 324 months, 9720 days, 233280 hours, 13996800 minutes, 839808000 seconds, 189 dog years, 135 goldfish years	Same as expected output	
	Integer 1	1	1+8=9, 1/8=0, 1.0/8.0=0.1	Same as expected output	
	Integer 2	8			

```

Hello, welcome to Montgomery College! My name is Nao, The most advanced AI out there. May I have your name please? Robert
I like that name, well its nice of you to be with us today, Robert How about we play a little game together?
Please enter the age of an important pet or person to you.
Please enter only a number.
27
Thank you for the information. You have entered: 27. If this is for a person, the age can be expressed as 27 years
or 324 months
or about 9720 days
or about 233280 hours
or about 13996800 minutes
or about 839808000 seconds.
If this is for a dog, it is 189 years old in human age.
If this is for a gold fish, it is 135 years old in human age.

Lets play another game, Robert. Give me a whole number.
1
Very well. Give me another whole number.
8

Using the operator '+' in C++, the result of 1 + 8 is 9.
Using the operator '/', the result of 1 / 8 is 0
however, the result of 1.0 / 8.0 is about 0.1.

Thank you for testing my program!!PROGRAMMER: Kieran Yalla
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Test Case #	Input	Actual input	Expected Output	Actual Output	Did Test Pass?
3	Visitor Name	Maggie	Maggie	Same as expected output	Yes
	Age	4	4 years, 48 months, 1440 days, 34560 hours, 2073600 minutes, 124416000 seconds, 28 dog years, 20 goldfish years	Same as expected output	
	Integer 1	9	9+6=15, 9/6=1, 9.0/6.0=1.5	Same as expected output	
	Integer 2	6			

```

Hello, welcome to Montgomery College! My name is Nao, The most advanced AI out there. May I have your name please? Maggie
I like that name, well its nice of you to be with us today, Maggie How about we play a little game together?
Please enter the age of an important pet or person to you.
Please enter only a number.
4
Thank you for the information. You have entered: 4. If this is for a person, the age can be expressed as 4 years
or 48 months
or about 1440 days
or about 34560 hours
or about 2073600 minutes
or about 124416000 seconds.
If this is for a dog, it is 28 years old in human age.
If this is for a gold fish, it is 20 years old in human age.

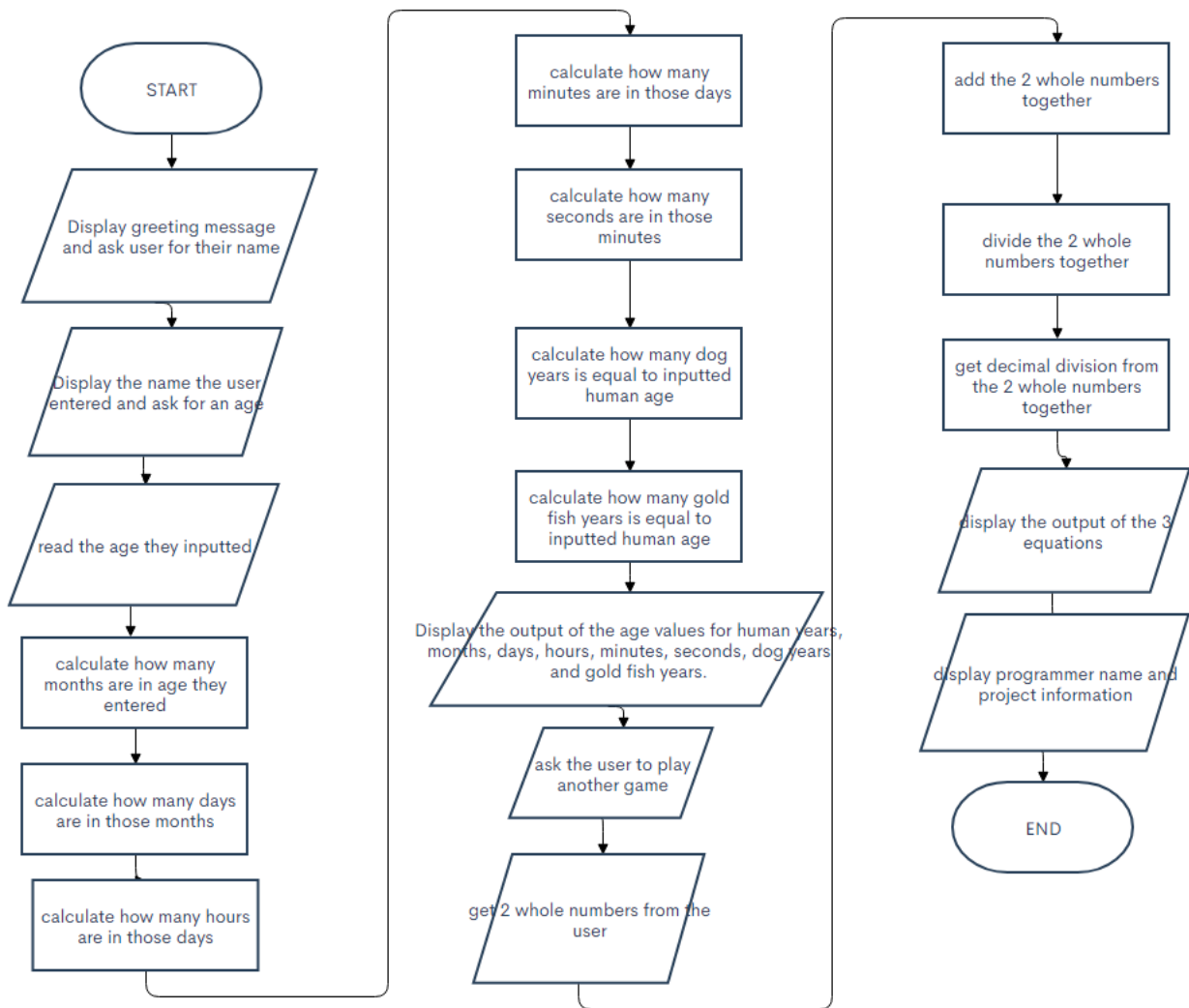
Lets play another game, Maggie. Give me a whole number.
9
Very well. Give me another whole number.
6

Using the operator '+' in C++, the result of 9 + 6 is 15.
Using the operator '/', the result of 9 / 6 is 1
however, the result of 9.0 / 6.0 is about 1.5.

Thank you for testing my program!!PROGRAMMER: Kieran Yalla
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...Program finished with exit code 0
Press ENTER to exit console.

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PSEUDO CODE:

```

START
Get user name
Display name
Get age number
Calculate human years
Calculate human months
Calculate human days
Calculate human hours
Calculate human minutes
Calculate human seconds
Calculate dog years
Calculate goldfish years
Display human years
Display human months
Display human days
  
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Display human hours
Display human minutes
Display human seconds
Display dog years
Display goldfish years
Get integer 1
Get integer 2
Calculate addition
Calculate division
Calculate decimals
Display addition
Display division
Display decimals
END

Lessons learned:

I learned how to effectively use setprecision by using it to print out inputted numbers with decimals

I learned how to better myself at debugging my own code by analyzing each and every single line and making sure there were no present errors

I learned how to create a slightly better flowchart by using a better website to make it and learning what each of the shapes means