Jonathan De La Cruz

Methods and IO Exceptions IPO

Input

String choice, -user choice for menu system

String name; -name for first menu choice

Int age; -user age

Boolean -ageEntered; used as flag to make sure user uses option 2 before using option 3.

Int num; -used to store user number to make triangles with

Process

Do while for menu system

1. Echo user name 20 times (void)
2. 2. Get age from user double it, then store it in age. Return age to main. ( int)
3. Check if user is a teenager based on age entered in choice 2 (void)

Use flag from option 2 to check if user has entered their age.

1. Create a triangle using “\*” and outputting it to a file (void)

Use nested for loops to print triangle.

for(i = 0; I < userNum; i++)

for( j = 0; j <= I; j++)

1. 5. Quit.

Output

1. User name printed 20 times.
2. “Your age is” + userAge + “. Your age doubled is “ + userAge \* 2
3. If flag is not tripped, prompt user to choose option 2. Send them back to menu. Else, either

“You are a teenager” or “You are NOT a teenager”

1. File will have a triangle made of asterisks. Eg.

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1. “Goodbye”