Pseudocode

Print header
Ask basic club info
Ask programming info such as prefered language
If all conditions are meet then canJoin = 1
Print output

Code

```
#Cole Current
#5/17/2020

def main():
        #Header
        print("       Cool Kids Programming Club B)")
        print("<><><><><><><><><><><><><><><><><><><><><><><><><>")
        print

        #Input
        name = input("What is your name?")
        ageStr = input("How old are you?")
        age = int(ageStr)
        canProgram = input("Do you have 20+ hours of programming experience in any language?(y/n)")
        langOfChoice = input("What is your programming language of choice?")
        canPython = input("Can you program in python?(y/n)")
        canJava = input("Do you have any experience in Java?(y/n)")
        weekends = input("Can you meet during saturday or sunday?(y/n)")

        #Calculations
        canJoin = 0
        if age > 14:
                if canProgram == "y":
                        if canPython == "y":
                                if weekends == "y":
                                        canJoin = 1
                        elif canJava == "y":
```

```python
        if weekends == "y":
            canJoin = 1

    #Output
    print("We appreciate your interest in our club " + name + "!")
    print("Your replies are:")
    print("Name: " + name)
    print("Age: " + str(age))
    print("Can program: " + canProgram)
    print("Programming language of choice: " + langOfChoice)
    print("Python experience: " + canPython)
    print("Java experience: " + canJava)
    print("Can meet on weekends: " + weekends)
    print

    if langOfChoice == "Python":
        print("Its good that your prefered language is Python because that is our main
programming language! Though we do also use Java.")
    else:
        print("Its a shame that you dont prefer Python because that is our main
programming languge.")
    print

    if canJoin == 1:
        print("C O N G R A T S! You are now a member of a Cool Kids Programming
Club! Now all that is left is for you too contact the president and you are a member!")
        print("We cant wait to program with you!")
    else:
        print("We regret to inform you that you do not meet the requirements to be a
memeber of the Cool Kids Programming Club.")
        print("If you happen to increase your programming experience then your are more
than welcome to apply again")
        print("We hope we can see you in the future!")

main()
```

PMR

What bugs did you identify in your code? I was having trouble using booleans for the canJoin variable.

How did you fix the bugs? I just gave it up and turned it into an integer.

What design and functionality improvements could you make to your program? I could make the UI a bit better.

How can you get feedback on ways to improve your program? Let other people use the program and ask for input.

How can you expand your program into a new, better program in the future? Expand the questions and possibly add graphics.

What are potential bugs that users may possibly encounter if your program is expanded into a new program in the future? I don't have much experience making graphics so I would probably run into some problems there.