Task:

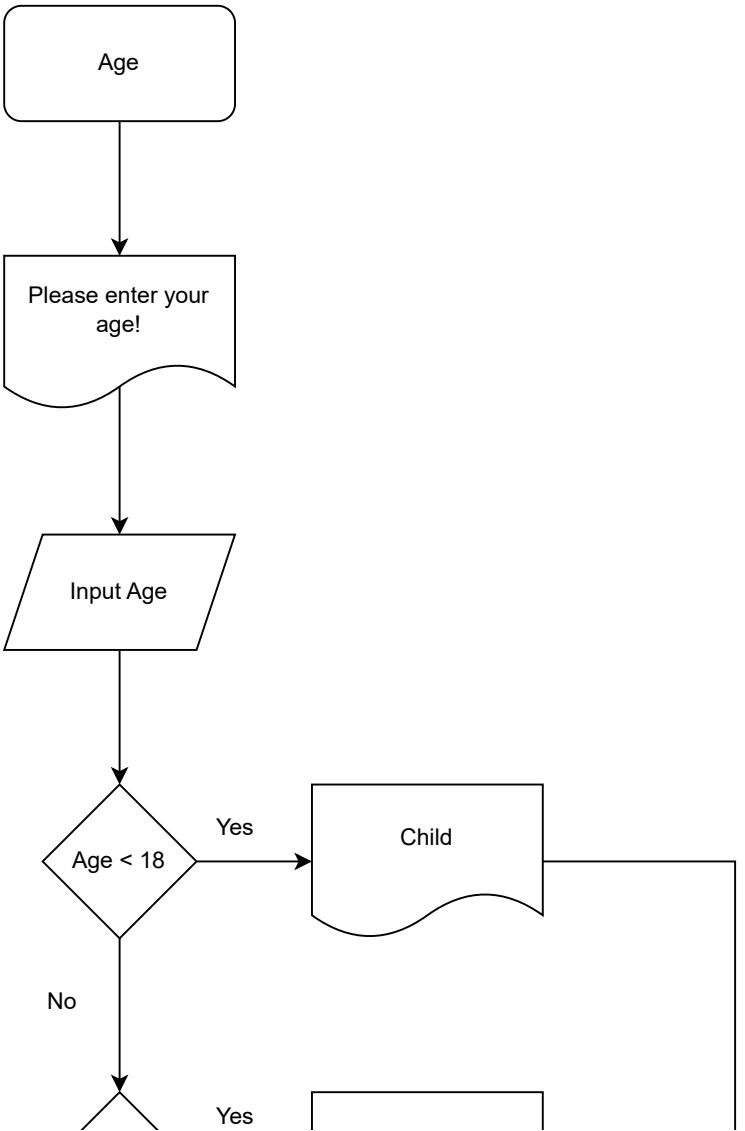
Create the pseudocode and the flow chart for the following task:
Task: Ask the user for their age. Print one of the following based on the age entered:
Print “Child if age is less than 18
Print “Senior” if age isgreater than 64
Print “Adult” if age is from 19 to 64
Part 1: Write pseudocode that includes the following requirements:
 Steps should be sequentially numbered.
 The user begins at Step 1 and must eventually stop at the last step called “End”.
Part 2: Draw the flow chart to solve this problem. Processing should begin at a “Start”
oval and terminate at an “End” oval.

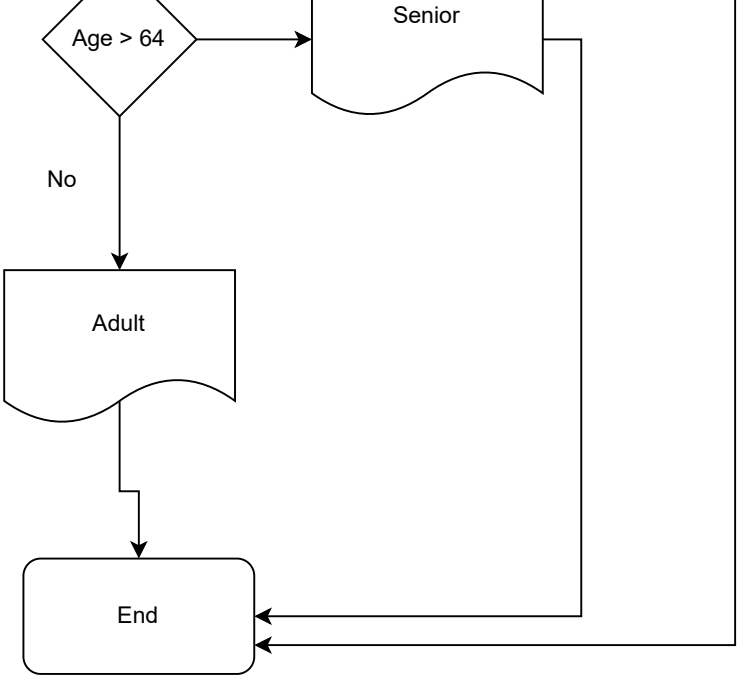
Test Results: Test your results. Walk through the code to make sure that entering 12
produces “Child”, entering 42 produces “Adult” and entering 72 produces “Senior”.

Pseudocode:

1. Start
2. Display message: "Please enter your age:"
3. Read input from the user and store it in a variable, e.g., age.
4. If age is less than 18, then:
5. Display message: "Child"
6. Else if age is greater than 64, then:
7. Display message: "Senior"
8. Else:
9. Display message: "Adult"
10. End

Flowchart:





Python:

```
def main():
    print("Please enter your age:")
    age = int(input())
    if age < 18:
        print("Child")
    elif age > 64:
        print("Senior")
    else:
        print("Adult")


if __name__ == "__main__":
    main()
```

Java:

```
import java.util.Scanner;


public class AgeClassification {
    public static void main(String[] args) {
        Scanner scanner = new
Scanner(System.in);
        System.out.println("Please enter your
age:");
        int age = scanner.nextInt();
        if (age < 18) {
            System.out.println("Child");
        }
        else if (age > 64) {
            System.out.println("Senior");
        } else {
            System.out.println("Adult");
        }

        scanner.close();
    }
}
```