Task:

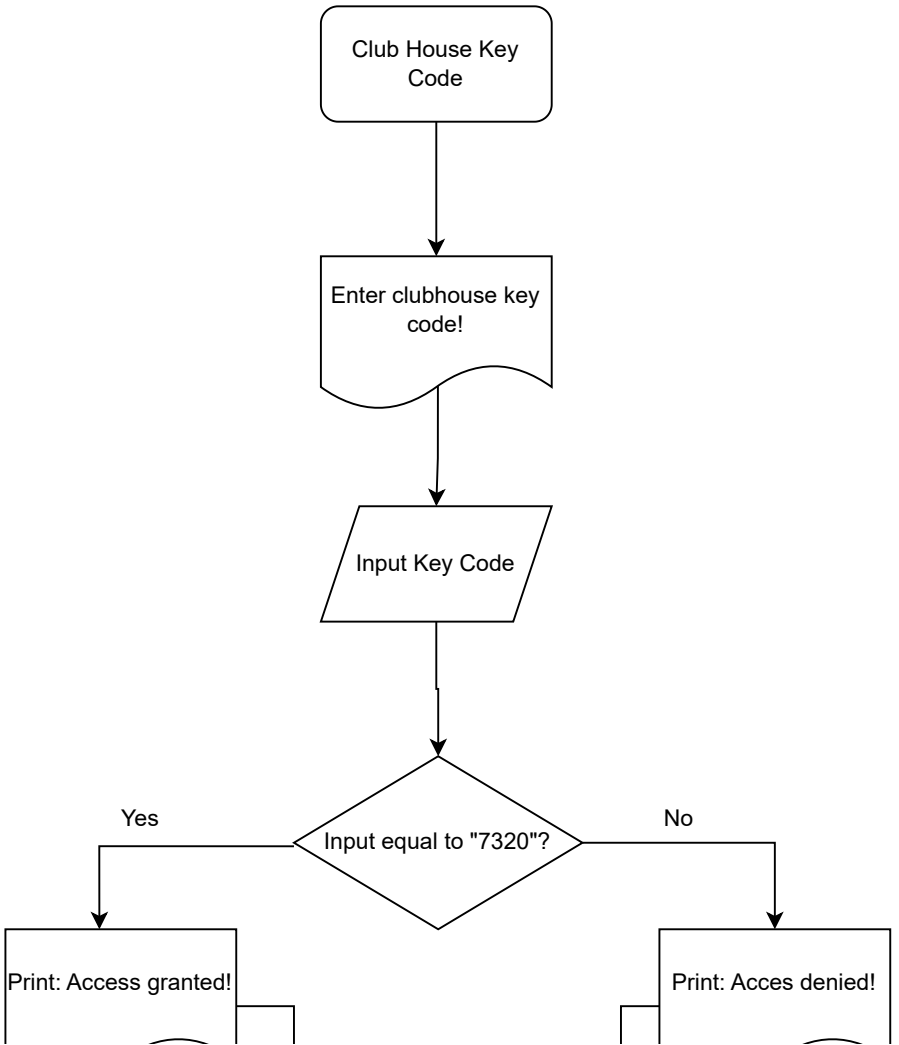
Create the pseudocode and the flow chart for the following task:
Task: The key code for entry into the clubhouse is 7320. Ask the member to enter the key code. If the correct code is entered, print “Access Granted”, otherwise print “Access Denied”.
Part 1: Write pseudocode that includes the following 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.

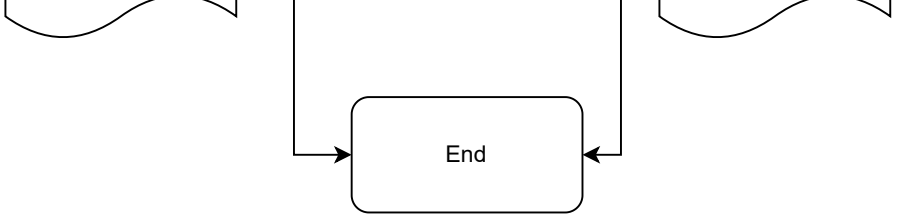
Test Results: Test your results. Walk through the code to make sure that only the code
7320 will allow access.

Pseudocode:

1. Start
2. Display message: "Please enter the key code:"
3. Read input from the user and store it in a variable, e.g., userInput.
4. Check if userInput is equal to 7320.
5. If userInput is equal to 7320, then:
6. Display message: "Access Granted"
7. Else:
8. Display message: "Access Denied"
9. End

Flowchart:





Python:

```
def main():
    print("Please enter the key code:")
    userInput = input()
    if userInput == "7320":
        print("Access Granted")
    else:
        print("Access Denied")


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

Java:

```
import java.util.Scanner;


public class ClubhouseAccess {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Please enter the key
code:");
        String userInput = scanner.nextLine();
        if (userInput.equals("7320")) {


            System.out.println("Access Granted");
        } else {


            System.out.println("Access Denied");
        }

        scanner.close();
    }
}
```