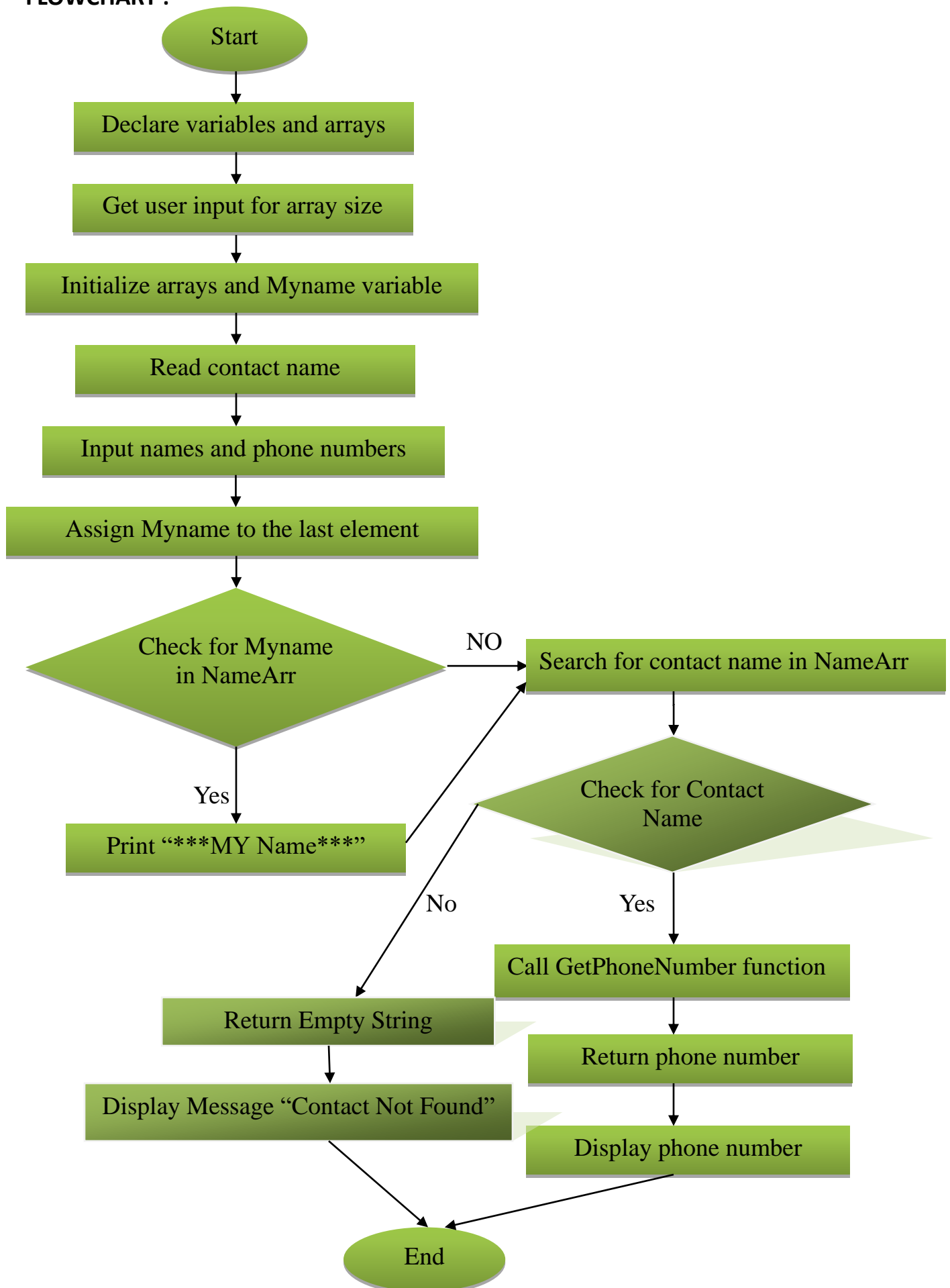


**PSEUDO CODE :**

1. Start
2. Declare two dynamic arrays for names and phone numbers, with sizes based on user input.
3. Define a function 'GetPhoneNumber' that takes in the arrays and their sizes, and the contact name.
  - Inside the function, use a 'for' loop to search for the contact name in 'NameArr'.
  - If found, return the corresponding phone number; otherwise, return an empty string.
4. Declare a string 'Myname' and initialize it with the value "Prakriti".
5. Read the size from the user input.
6. Declare variables for the contact name, return message, and dynamic arrays to store names and phone numbers.
  - Prompt the user to enter the contact name.
  - Read the contact name from the user input.
7. Input names and corresponding phone numbers into the arrays using a loop.
  - Use a 'for' loop to iterate through the arrays.
8. Assign the user's name, 'Myname', to the last element of the 'NameArr' array.
9. Check if any name in the 'NameArr' array matches 'Myname'.
  - Print "\*\*\*\*MY Name\*\*\*\*" if a match is found.
10. Call the 'GetPhoneNumber' function to retrieve the phone number for the entered contact name.
  - Pass the 'NameArr', 'PhoneNumberArr', size, and contact name as arguments.
11. Display the retrieved phone number.
12. End the program.

## FLOWCHART :



**IMPLEMENTATION:**

```

#include<iostream>
using namespace std;
string GetPhoneNumber(string NameArr[], string PhoneNumberArr[], int size, string
ContactName){
    for(int i=0; i<size; i++){
        // If the contact name is found, return the corresponding phone number
        if(NameArr[i]==ContactName){
            return PhoneNumberArr[i];
        }
    }
    return "";
}

int main(){
    int size =0 ;
    string Myname = "Prakriti";
    string ContactName;
    string ReturnMessage;

    cin >> size;
    string NameArr[size + 1];
    string PhoneNumberArr[size];

    NameArr[size] = Myname;

    for(int i = 0; i < size; i++){
        cin >> NameArr[i] >> PhoneNumberArr[i];
    }
    cin >> ContactName;

    for(int i = 0; i < size; i++){
        if(NameArr[i] == Myname){
            cout << "****MY Name****" << endl;
        }
    }
    ReturnMessage = GetPhoneNumber(NameArr, PhoneNumberArr, size, ContactName);
    cout << ReturnMessage << endl;
    return 0;
}

```