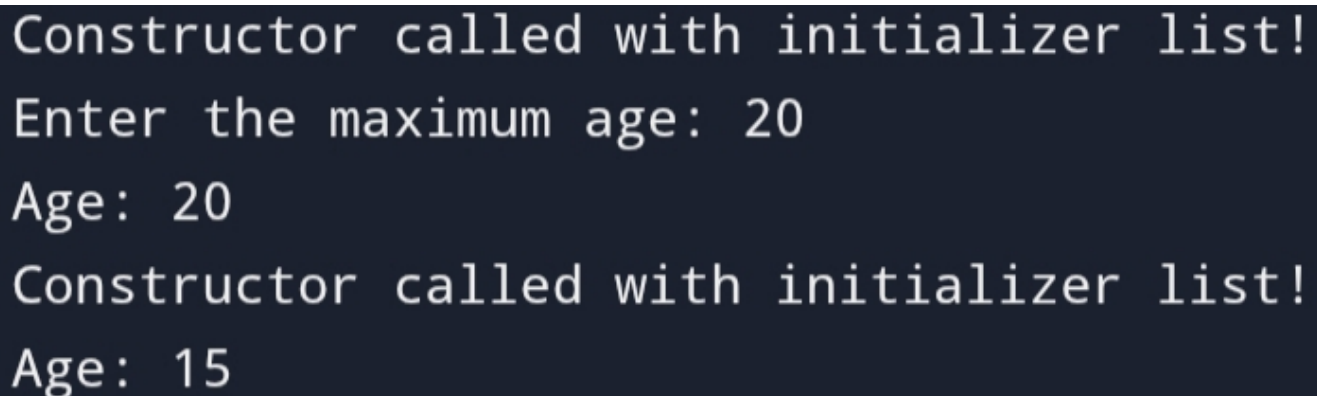


TASK-8

Write a program to demonstrate the use of initializer list.

Source Code:

```
1. #include <iostream> // header files
2. using namespace std;
3. class animal {
4. private:
5.     int age; // data member
6. public:
7.     // constructor with initializer list
8.     animal(int a = 0) : age(a) { // default value 0
9.         cout << "Constructor called with initializer list!" << endl;
10.    }
11.    void insertdata() {
12.        cout << "Enter the maximum age: ";
13.        cin >> age;
14.    }
15.    void display() {
16.        cout << "Age: " << age << endl;
17.    }
18. };
19. int main() { // main function
20.     animal myanimal;
21.     myanimal.insertdata();
22.     myanimal.display();
23.     animal anotherAnimal(15); // initialized using initializer list
24.     anotherAnimal.display();
25.     return 0;
26. }
```

OutputA screenshot of a terminal window with a dark background and light-colored text. The output shows the program's execution: first, a message 'Constructor called with initializer list!' followed by a prompt 'Enter the maximum age: 20', then 'Age: 20'. This is followed by another 'Constructor called with initializer list!' message and 'Age: 15'.

```
Constructor called with initializer list!
Enter the maximum age: 20
Age: 20
Constructor called with initializer list!
Age: 15
```