TASK-8

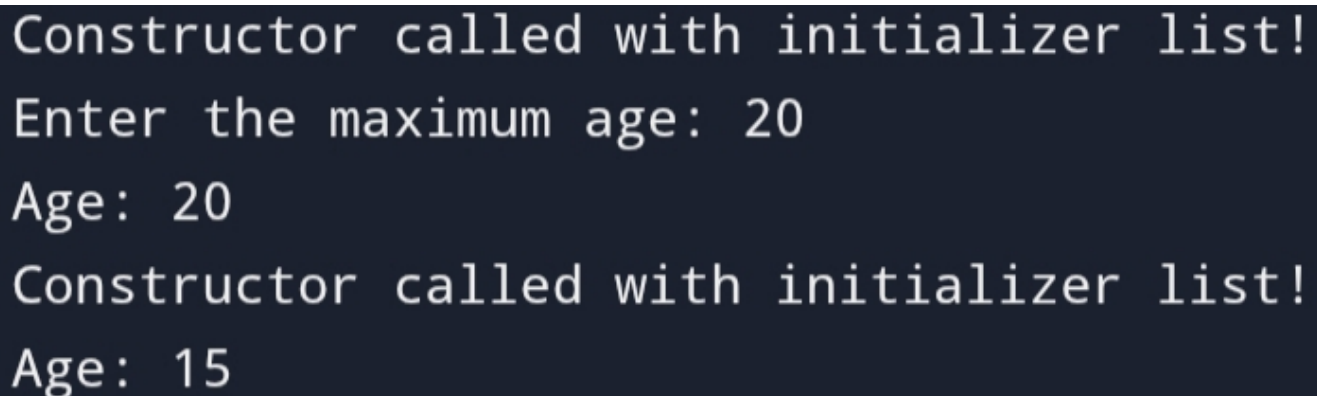### Write a program to demonstrate the use of initializer list.

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. }
```

Output

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