

```
1  #include <cstring>
2  #include <windows.h>
3  #include "AnimalHotel.h"
4
5
6
7  void AnimalHotel::CheckIn()
8  {
9      int num1;
10     char num2;
11     static int i = 0;
12
13     AnimalHotel::List();
14
15     cout << "호실을 골라주세요      [ ]WbWb";
16     while (true) {
17         cin >> num1;
18         if ( ((num1 > 8) || num1 == 0) || (room[num1-1].checkin != 0))
19             cout << "번호를 정확히 입력해주세요";
20         else
21             break;
22     }
23
24     while (true)
25     {
26         system("cls");
27         cout << "어떤 동물인지 알려주세요" << endl;
28         cout << " [1] 멍멍이" << endl;
29         cout << " [2] 야옹이" << endl;
30         cout << "      [ ]WbWb";
31         cin >> num2;
32         if (num2 != '1' && num2 != '2')
33         {
34             cout << "1 또는 2를 선택해주세요";
35         }
36         else
37             break;
38     }
39     char* name = new char[50];
40
41
42     system("cls");
43     cout << " 동물 친구의 이름을 알려주세요 : ";
44     cin >> name;
45
46     if (num2 == '1') {
47         room[num1 - 1].Guests = new Dog((const char*)name, "멍멍이");
48     }
49     else if (num2 == '2') {
50         room[num1 - 1].Guests = new Cat((const char*)name, "야옹이");
51     }
52     room[num1 - 1].checkin = 1;
53     room[num1 - 1].Guests->Sound2();
54
55     delete[] name;
56 }
```

```

57
58
59 void AnimalHotel::CheckOut()
60 {
61     int roomNum;
62
63     system("cls");
64     AnimalHotel::List();
65     cout << " 호실을 알려주세요 ";
66     cin >> roomNum;
67     room[roomNum - 1].checkin = 0;
68     room[roomNum - 1].Guests->Sound3();
69
70
71 }
72
73
74 void AnimalHotel::FrontDesk()
75 {
76     system("cls");
77     cout << "===== " << endl;
78     cout << "| [1] CheckIn | " << endl;
79     cout << "| | " << endl;
80     cout << "| [2] CheckOut | " << endl;
81     cout << "| | " << endl;
82     cout << "| [3] LIST | " << endl;
83     cout << "===== " << endl;
84     cout << " [ ] WbWb ";
85 }
86 void AnimalHotel::List()
87 {
88     system("cls");
89     cout << "===== " << endl;
90     for (int i = 0; i < 8; i++)
91     {
92         if (room[i].checkin == 0)
93             cout << "| " << i + 1 << "호실 : 빈방" << endl;
94         else if (room[i].checkin == 1)
95         {
96             cout << "| " << i + 1 << "호실 : ";
97             cout << room[i].Guests->GetType() << "(";
98             cout << room[i].Guests->GetName() << ")" << endl;
99         }
100     }
101     cout << "===== " << endl;
102
103
104 }
105

```