46 // None.

50 { 51

47 //Postcondition:

```
...CECS282-Project5-InheritanceAndVirtualFunction\Animal.cpp
 1 //-----
 2 // Name
               : Animal.cpp
 3 // Author
               : Sotheanith Sok
 4 // Version
               : 1.0
 5 // Description : This is an abstract class contains: virtual destructor, count of >
     all object created from Animal, operator<< overload,...etc.
 6 //-----
8 #include "Animal.h"
9 #include<iostream>
10
11 //Precondition:
12 // _None.
13 //Postcondition:
14 // _This varaible created on the number of Animal existed.
15 int Animal::count = 0;
16
17 //Precondition:
18 // _None.
19 //Postcondition:
20 // _Virtual destructor used to deallocated the memory used to initilize variable.
21 Animal::~Animal()
22 {
23
      delete animalType;
24
      count--;
25 }
26
27 //Precondition:
28 // None.
29 //Postcondition:
30 // _Return the name of this animal.
31 std::string Animal::getAnimalType()
32 {
33
      return "["+*animalType+"]";
34 }
35
36 //Precondition:
37 // _None.
38 //Postcondition:
39 // _Return the number of this object existed.
40 int Animal::getCount()
41 {
42
      return count;
43 }
44
45 //Precondition:
```

48 // _Return os contains animalType, animal's talk, animal's move. 49 std::ostream & operator<<(std::ostream & os, Animal & obj)

os << *(obj.animalType) << ", " << obj.talk() << ", " << obj.move();

```
\dots \texttt{CECS282-Project5-InheritanceAndVirtualFunction} \\ \texttt{Animal.cpp}
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52 return os;
53 }
54
```