1. **Write A program containing the following**
2. Define a base class called **animal**, which has the following members:

**Private** date of birth ;

**Protected** legs

**-----------------------------------------------------------**

classification

Set\_animal\_info() // set for the above info (from the user)

print() // prints all the info for the class.

Default constructor print a message "animal constructor"

Constructor to set the class information

// destructor do nothing

1. Now define a class called CAT, which is **publicly** **derived** from **animal**. It should have the following members:

**Protected**

color

**Public**

Set\_cat\_info // a function that sets all info (from the user)

print() // print the stored information

age()// return the cat age

1. Write a short main() program which instantiates as an object of the class CAT.
2. Supply all the information **and** print the data out using the functions