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Q1 :

Write A program containing the following .

Class called person contain the following information :

* As private :Name , age , gender (F/M)
* Constructor take one parameter (to set age)
* Destructor to print “ end class person “
* Function to print the class information

In main create object from the class and fill the information from the user then print it

Q2:

1. Declare a **publication**  class consist of :
2. the title, price Those variables are private.
3. a **print** function to print all information
4. Default constructor (initialize the variable with suitable values   
   Title = plain text , price = 0 ).
5. Constructor to set the **price** with a given value.
6. Constructor to set the class variables
7. Add a destructors to print a destroy massage.
8. Declare a **BOOK class that inherit class**  **publication**  **publicly** Containing the following :
9. Number of pages
10. Constructor to initialize the variable with suitable values
11. Constructor to set the class variables
12. Add a **print** function to print all information

**Write a main program to test your class functions .**

**Complete the following program. You may need to make some changes in the code:**

#include <iostream>

#include<string>

using namespace std;

class animal {char sex;

protected:

int age;

public :

string type;

animal (){cout <<"constructing animal";}

};

class Dog : animal{

protected:

string name ;

// constructor to print "constructing Dog"

//function insert to set all class info

};

class Cat : private animal{

protected:

string name ;

// constructor to print "constructing Cat"

//function insert to set all class info

};

void main ()

{

//declare object from each class

//fill animal's object information

//fill the Dog's object information’s. using insert function

//fill the Dog and cat objects information without using insert function

}