**Create a class called Author is designed as follows:**

**It contains:**

**• Three private instance variables: name (String), email (String), and gender (char of either ‘m’ or ‘f’).**

**• One constructor to initialize the name, email and gender with the given values.**

**And, a class called Book is designed as follows:**

**It contains:**

**• Four private instance variables: name (String), author (of the class Author you have just created), price (double), and qtyInStock (int). Assuming that each book is written by one author.**

**• One constructor which constructs an instance with the values given.**

**• Getters and setters: getName(), getAuthor(), getPrice(), setPrice(), getQtyInStock(), setQtyInStock(). Again there is no setter for name and author.**

**Write the class Book (which uses the Author class written earlier).**

**Try:**

**1. Printing the book name, price and qtyInStock from a Book instance. (Hint: aBook.getName())**

**2. After obtaining the “Author” object, print the Author (name, email & gender) of the book.**

class Author{

private static String name;

private char gender;

private String email;

Author(String n,String e,char g){

this.name = n;

this.email = e;

this.gender = g;

}

public static String getName(){

return name;

}

public char getGender(){

return gender;

}

public String getEmail(){

return email;

}

}

class Book{

private String name;

private Author author;

private double price;

private int qtyInStock;

Book(String name, Author author) {

this.name = name;

this.author = author;

}

public void setPrice(int p){

this.price = p;

}

public double getPrice(){

return price;

}

public void setQtyInStock(int q){

this.qtyInStock = q;

}

public int getQtyInStock(){

return qtyInStock;

}

public String getName(){

return name;

}

public Author getAuthor(){

return author;

}

}

public class Books{

public static void main(String args[]){

Author prasad = new Author("Prasad","prasad@gmail.com",'m');

Book b = new Book("Computer Networks",prasad);

b.setPrice(100);

b.setQtyInStock(10);

System.out.println("The name of the book is : " + b.getName());

System.out.println("The price of the book is : " + b.getPrice());

System.out.println("The stock is : " + b.getQtyInStock());

System.out.println("The name of the author is : " + prasad.getName());

System.out.println("The gender of the author is : " + prasad.getGender());

System.out.println("The email of the author is : " + prasad.getEmail());

}

}

