**package** tut2;  
  
**import** java.util.\*;  
  
**public class** Director {  
  
 **private** String **name**;  
 **private** String **surName**;  
 **private int numberOfMoviesDirected**;  
 **private** Date **dateOfBirth**;  
  
  
 **public** Director(String name, String surName) {  
 **this**.**name**=name;  
 **this**.**surName** = surName;  
 }  
  
 **public** String getName() {  
 **return name**;  
 }  
  
 **public** String getSurName() {  
 **return surName**;  
 }  
  
 **public int** getNumberOfMoviesDirected() {  
 **return numberOfMoviesDirected**;  
 }  
  
 **public** Date getDateOfBirth() {  
 **return dateOfBirth**;  
 }  
  
 **public void** setNumberOfMoviesDirected(**int** numberOfMoviesDirected) {  
 **this**.**numberOfMoviesDirected** = numberOfMoviesDirected;  
 }  
  
 **public void** setDateOfBirth(Date dateOfBirth) {  
 **this**.**dateOfBirth**=dateOfBirth;  
 }  
  
  
 @Override  
 **public** String toString()  
 {  
 **return "Director[ Name ="**+**this**.**name**+**" , Surname = "**+**this**.**surName**+**", DoB = "**+**this**.**dateOfBirth**.getDate()+  
 **", Movies directed = "**+**this**.**numberOfMoviesDirected**+**"]"**;  
 }  
  
  
  
  
}

------------------------------------------------------------------------------------------------------------------------------------------

**package** tut2;  
  
**public class** Movie {  
  
 **private** String **title**;  
 **private** String **category**;  
 **private int numberOfAwards**;  
 **public** Director **director**;  
  
 **public** Movie(String title,String category,Director director) {  
 **this**.**title**=title;  
 **this**.**category**=category;  
 **this**.**director**=director;  
 }  
  
 **public** String getTitle() {  
 **return title**;  
 }  
  
 **public** String getCategory() {  
 **return category**;  
 }  
  
  
 **public** Director getDirector() {  
 **return director**;  
 }  
  
 **public void** setNumberOfAwards(**int** numberOfAwards) {  
 **this**.**numberOfAwards** = numberOfAwards;  
 }  
  
 **public int** getNumberOfAwards() {  
 **return numberOfAwards**;  
 }  
 @Override  
 **public** String toString()  
 {  
 **return "Movie[title = "**+**this**.**title**+**"category = "**+**this**.**category**+**" director name = "**+**this**.**director**.getName() +**"director surname ="** +  
 **this**.**director**.getSurName()+**" number of awards = "**+**this**.getNumberOfAwards()+**" ]"**;  
 }  
  
  
  
}

**package** tut2;  
  
**public class** Test {  
  
  
 **public static void** main(String[] args) {  
 *// Test constructor* Director director = **new** Director(**"James"**, **"Cameron"**);  
  
 Date dob = **new** Date(16, 8, 1954);  
 director.setDateOfBirth(dob);  
 director.setNumberOfMoviesDirected(23);  
 *//System.out.println(director); // toString()* System.***out***.println(**"name is: "** + director.getName());  
 System.***out***.println(**"surname is: "** + director.getSurName());  
 System.***out***.println(**"dob is: "** + director.getDateOfBirth().getDate());  
 System.***out***.println(**"number of directed movies is: "** +  
 director.getNumberOfMoviesDirected());  
  
 *//System.out.println(director);* Movie movie = **new** Movie(**"Avatar"**, **"Fantasy"**,director);  
 *//System.out.println(movie); // Movie's toString()  
 // Test Setters and Getters* movie.setNumberOfAwards(23);  
 *//System.out.println(movie); // Book's toString()* System.***out***.println(**"title is: "** + movie.getTitle());  
 System.***out***.println(**"category is: "** + movie.getCategory ());  
 System.***out***.println(**"name of director is: "** + movie.getDirector().getName());  
 System.***out***.println(**"surname of director is: "** + movie.getDirector().getSurName());  
 System.***out***.println(**"number of awards is "** + movie.getNumberOfAwards());  
  
 *//System.out.println(movie);* **int** x=5;  
 *//System.out.println(x);  
 //System.out.println(-x);* }  
}