|  |
| --- |
|  |
|  | public class Course  { |
|  | private String CourseName; |
|  | private String CourseID; |
|  | private String CourseCategory; |
|  |  |
|  | public String getID() |
|  | { |
|  | return CourseID; |
|  | } |
|  | public void setID(String id) |
|  | { |
|  | this.CourseID=id; |
|  | } |
|  |  |
|  | public String getName() |
|  | { |
|  | return CourseName; |
|  | } |
|  | public void setName(String name) |
|  | { |
|  | this.CourseName=name; |
|  | } |
|  |  |
|  | public String getCategory() |
|  | { |
|  | return CourseCategory; |
|  | } |
|  | public void setCategory(String category) |
|  | { |
|  | this.CourseCategory=category; |
|  | } |
|  | } |
|  |  |
|  | CourseController |
|  | public class CourseController |
|  | { |
|  | private Course model; |
|  | private CourseView view; |
|  |  |
|  | public CourseController(Course model, CourseView view) |
|  | { |
|  | this.model=model; |
|  | this.view=view; |
|  | } |
|  |  |
|  | public void setCourseName(String name) |
|  | { |
|  | model.setName(name); |
|  | } |
|  | public String getCousreName() |
|  | { |
|  | return model.getName(); |
|  | } |
|  |  |
|  | public void setCourseID(String id) |
|  | { |
|  | model.setID(id); |
|  | } |
|  | public String getCousreID() |
|  | { |
|  | return model.getID(); |
|  | } |
|  |  |
|  | public void setCourseCategory(String category) |
|  | { |
|  | model.setCategory(category); |
|  | } |
|  | public String getCousreCategory() |
|  | { |
|  | return model.getCategory(); |
|  | } |
|  |  |
|  | public void updateView() |
|  | { |
|  | view.printCourseDetails(model.getName(), model.getID(), model.getCategory()); |
|  | } |
|  | } |
|  | CourseView |
|  | class CourseView |
|  | { |
|  | public void printCourseDetails(String CourseName, String CourseID, String CourseCategory) |
|  | { |
|  | System.out.println("Course Details"); |
|  | System.out.println("Course Name: "+CourseName); |
|  | System.out.println("Course ID: "+CourseID); |
|  | System.out.println("Course Category: "+CourseCategory); |
|  | } |
|  | } |
|  | MVCPattern |
|  | public class MVCPattern |
|  | { |
|  | public static void main(String args[]) |
|  | { |
|  | Course model=retriveCouseFromDatabase(); |
|  |  |
|  | CourseView view=new CourseView(); |
|  |  |
|  | CourseController controller=new CourseController(model,view); |
|  | controller.updateView(); |
|  |  |
|  | controller.setCourseName("Python"); |
|  | System.out.println("After updating, Curse details are as follows......"); |
|  | controller.updateView(); |
|  | } |
|  |  |
|  | private static Course retriveCouseFromDatabase() |
|  | { |
|  | Course course=new Course(); |
|  | course.setName("Java"); |
|  | course.setID("01"); |
|  | course.setCategory("Programming"); |
|  | return course; |
|  | } |
|  | } |