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problem 5: Write a minimal program implementing MVC
95)*) MVC Architecture Implem Code
     Model Layer.
Ans) package MyPackage;
     public class Course
      private String CourseName;
      private String Courseld;
      private String Course Category;
      public String getId()
      return CourseId;
      public void set Id (String id)
      this · Course Id = id;
      public String getName ()
      return CourseName;
     public void setName (string name)
      this · Course Name = name;
     public String get Category ()
     return Course Category;
     public void set Category (string category)
```

this. course category = category;

View Layer

package MyPackage;

public class CourseView

public void print CourseDetails (String CourseName,

String CourseId, String CourseCategory)

{

System out println ("Course Details:");

System out println ("Name:" + CourseName);

System out println ("Course ID:" + CourseId);

System out println ("Course Category:" + CourseCategory);

}

Controller La

controller Layer

```
package MyPackage;
public class Course Controller
 private Course model;
 private Courseliew view;
 public CourseController (course model, CourseView view)
 this model = model;
 this view = view;
 public void set Course Name (String name)
 model set Name (name);
 public void getConseName()
 return model getName();
  public void set Course Id (String id)
  model set Id (id);
  public String get Course Id ()
  return model get Id (),
   public void setCourreCategory (string category)
   model set (ategory (codegory);
```

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public String get Course Category ()
  return model get Category ();
  public void update View ()
  view. print CourseDetails (model.getNamel), model.get1d()
  model get Category (1);
 Main Java Clars.
 package MyPackage;
 public class MVCPatternDemo
 public static void main (String [] args)
 Course model = retrive Course from Database ();
 Courseliew view = new Courseliew ();
 Course Controller = new Course Controller (model, view),
 controller. updatelier().
 controller . set (ourre Name ("Python");
System out println ("nAfter updating, course Details
follows");
controller update View();
private static Course retrive Course From Database ()
 Course course = new Course ();
 course ret Name ("Java");
course set ("01"); course set (category ("programming"); return carres) }
```