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Inheritance

Implement any real-time application using Inheritance (Use static, final, super, and this keywords) Example: Banking System, College System etc

```
class Person {
  String name;
  int age:
  Person(String name, int age) {
  this.name = name;
  this.age = age;
  }
  void displayInfo() {
  System.out.println("Name: " + name);
  System.out.println("Age: " + age);
  class Student extends Person {
  static final String ROLE = "Student";
  int studentld:
  Student(String name, int age, int studentId) {
  super(name, age);
  this.studentId = studentId;
  void displayInfo() {
  super.displayInfo();
  System.out.println("Student ID: " + studentId);
  System.out.println("Role: " + ROLE);
  class Teacher extends Person {
  static final String ROLE = "Professor";
  String subject:
  Teacher(String name, int age, String subject) {
  super(name, age);
  this.subject = subject;
  void displayInfo() {
  super.displayInfo();
  System.out.println("Subject: " + subject);
  System.out.println("Role: " + ROLE);
  public class CollegeSystem {
  public static void main(String args) {
  Student student = new Student("Satyam", 21, 420);
  Teacher teacher = new Teacher("Dr. PVS", 28, "Problem Solving Using JAVA");
```

```
System.out.println("Student Information:");
student.displayInfo();
System.out.println("\nTeacher Information:");
teacher.displayInfo();
}
}
```

OUTPUT:

```
cd "/Users/sanketbanate/Desktop/coding/Java/" && java CollegeSystem.java && java CollegeSystem.
sanketbanate@Sankets-MacBook-Air coding % cd "/Users/sanketbanate/Desktop/coding/Java/" && javac CollegeSystem.java && java CollegeSystem Student Information:
Name: Satyam
Age: 21
Student ID: 420
Role: Student ID: 420
Role: Tookner Information:
Name: Or. PVS
Age: 28
Subject: Problem Solving Using JAVA
Role: Problem Solving Using JA
```