Name: Zacharie Happel

CST141-FA2023

Project for Week 04

Due: 10/01/2023

# Source Code for All 5 Classes:

## CollegeCoursesMain.java

# CoursePerson.java

```
package cst141.projects.projectfour;
public abstract class CoursePerson {
    protected String fullName;
    protected String phoneNumber;
    protected String userName;

    public CoursePerson() {
        fullName = "";
        phoneNumber = "";
        public CoursePerson(
        String theFullName,
        String thePhoneNumber,
        String thePhoneNumber,
        String theDeenName) {
            fullName = theFullName;
            phoneNumber = thePhoneNumber;
            userName = theUserName;
        }

    public String getFullName () { return fullName;}
    public String getFullName () { return phoneNumber; }
    public String getFulname () { return phoneNumber; }
    public String getUserName () { return userName; }

    abstract void printInfo();
    abstract String getEmailAddress();
}
```

# CourseStudent.java

```
package cst141.projects.projectfour;
public class CourseStudent extends CoursePerson{
     private Boolean matriculated;
     private Boolean fullTime;
     private String programOfStudy;
     public CourseStudent() {
          super(); // call default constructor of parent class
          matriculated = false;
          fullTime = false;
programOfStudy = "";
          String theFullName,
          String thePhoneNumber,
          String theUserName,
          Boolean theMatriculated,
          Boolean theFullTime,
          String theProgramOfStudy) {
               super(theFullName, thePhoneNumber, theUserName);
                matriculated = theMatriculated;
                fullTime = theFullTime;
                programOfStudy = theProgramOfStudy;
     public Boolean getMatriculated() { return matriculated; }
     public Boolean getFullTime() { return fullTime; }
public String getProgramOfStudy() { return programOfStudy; }
     @Override public void printInfo() {
          System.out.println(
               "Name: " + super.getFullName() +
", Phone Number: " + super.getPhoneNumber() +
", User Name: " + super.getUserName() +
", Matriculated: " + matriculated +
", Full Time: " + fullTime +
", Program of Study: " + programOfStudy +
", Email: " + getEmailAddress()
     @Override public String getEmailAddress() {
          return (super.getUserName()).concat("@mail.sunysuffolk.edu");
```

# CourseTeacher.java

```
package cst141.projects.projectfour;
public class CourseTeacher extends CoursePerson {
     private Boolean fullTime;
     public CourseTeacher() {
          fullTime = false;
         String theFullName,
         String thePhoneNumber,
         String theUserName,
         boolean theFullTime) {
              super(theFullName, thePhoneNumber, theUserName);
              fullTime = theFullTime;
     public Boolean getFullTime() { return fullTime; }
     @Override public void printInfo() {
         System.out.println(
    "Name: " + super.getFullName() +
              ", Phone Number: " + super.getPhoneNumber() +

", User Name: " + super.getUserName() +

", Full Time: " + fullTime +

", Email: " + getEmailAddress()
     @Override public String getEmailAddress() {
          return (super.getUserName()).concat("@mail.sunysuffolk.edu");
```

### Course.java

# Screenshots from Output:

### Compilation

```
zkhap@DESKTOP-3PU2ORT MINGW64 ~/Documents/SUNY Suffolk/Principles of Computing with Java/git/CST141/Projects/ProjectFour (main)
$ javac ./CoursePerson.java ./CourseTeacher.java ./CourseStudent.java ./Course.java ./CollegeCourseSMain.java
zkhap@DESKTOP-3PU2ORT MINGW64 ~/Documents/SUNY Suffolk/Principles of Computing with Java/git/CST141/Projects/ProjectFour (main)
$ |
```

# Output

```
zkhap@DESKTOP-3PU2ORT MINGW64 ~/Documents/SUNY Suffolk/Principles of Computing with Java/git
$ java cst141.projects.projectfour.CollegeCoursesMain

Written by Zacharie Happel

Course Info:
Course Number: CST141, CRN: 95537, Number of Credits: 4

Teacher Info:
Name: Prof. H., Phone Number: 631-548-2691, User Name: hassile, Full Time: true, Email: hassile@mail.sunysuffolk.edu

Course Info:
Student #0 Name: Sally, Phone Number: 631-555-1111, User Name: sally01, Matriculated: true, Full Time: true, Program of Study: CST, Email: sally01@mail.sunysuffolk.edu

Student #1 Name: Mohammed, Phone Number: 631-555-2222, User Name: moham56, Matriculated: true, Full Time: true, Program of Study: CST, Email: moham56@mail.sunysuffolk.edu

Student #2 Name: Alex, Phone Number: 631-555-3333, User Name: alex93, Matriculated: true, Full Time: false, Program of Study: CST, Email: alex93@mail.sunysuffolk.edu

Student #3 Name: Barbara, Phone Number: 631-555-4444, User Name: barba28, Matriculated: true, Full Time: false, Program of Study: CST, Email: barba28@mail.sunysuffolk.edu

Student #4 Name: Monique, Phone Number: 631-555-5555, User Name: moniq71, Matriculated: true, Full Time: true, Program of Study: CST, Email: moniq71@mail.sunysuffolk.edu

Student #4 Name: Monique, Phone Number: 631-555-5555, User Name: moniq71, Matriculated: true, Full Time: true, Program of Study: CST, Email: moniq71@mail.sunysuffolk.edu
```

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I certify that the above work is my own. I did not copy work from the Internet or from a classmate. This project will count as part of my grade for the course.