import java.util.Scanner;

class Person{

    private String name;

    private String email;

    Scanner sc = new Scanner(System.in);*//Creating a default scanner*

*//Default Constructor*

    public Person()

    {

        System.out.println("Enter Your Name:");

        this.name= sc.nextLine();

        System.out.println("Enter Your Email:");

        this.email=sc.nextLine();

    }

*//Perameteraised Constructor*

    public Person(String *name*,String *email*)

    {

        this.name=*name*;

        this.email=*email*;

    }

*//Setter & Getter Method*

    public void setEmail(String *email*) {

        this.email = *email*;

    }

    public void setName(String *name*) {

        this.name = *name*;

    }

    public String getEmail() {

        return email;

    }

    public String getName() {

        return name;

    }

*//Printing Details*

    public void showPerson()

    {

        System.out.println("Printing Person----------");

        System.out.println("Name: "+getName());

        System.out.println("Email: "+getEmail());

        System.out.println("-------------------------");

    }

}

class Student extends Person{

    private String studentId;

    private String admissionDate;

*//Default Constructor*

    public Student()

    {

        super();*//Going Super Class From Subclass It will call Parent Default Constructor*

    }

*//Perametaraised Constructor*

    public Student(String *studentId*,String *admissonDate*)

    {

        this.studentId=*studentId*;

        this.admissionDate=*admissonDate*;

    }

*//Setter And Getter Method*

    public void setStudentId(String *studentId*) {

        this.studentId = *studentId*;

    }

    public void setAdmissionDate(String *admissionDate*) {

        this.admissionDate = *admissionDate*;

    }

    public String getAdmissionDate() {

        return admissionDate;

    }

    public String getStudentId() {

        return studentId;

    }

*//Showing Student Details*

    public void showStudent()

    {

        System.out.println("Printing Student----------");

        System.out.println("ID: "+getStudentId());

        System.out.println("Admission Date: "+getAdmissionDate());

        System.out.println("Name: "+super.getName());

        System.out.println("Email: "+super.getEmail());

        System.out.println("-------------------------");

    }

}

class Teacher extends Person{

    private String employeeId;

    private String joiningDate;

    public Teacher()

    {

        super();

    }

    public Teacher(String *employeeId*,String *joiningDate*)

    {

        this.employeeId=*employeeId*;

        this.joiningDate=*joiningDate*;

    }

    public void setEmployeeId(String *employeeId*) {

        this.employeeId = *employeeId*;

    }

    public void setJoiningDate(String *joiningDate*) {

        this.joiningDate = *joiningDate*;

    }

    public String getEmployeeId() {

        return employeeId;

    }

    public String getJoiningDate() {

        return joiningDate;

    }

*//Showing Teacher Details*

    public void showTeacher()

    {

        System.out.println("Printing Teacher----------");

        System.out.println("ID: "+getEmployeeId());

        System.out.println("Admission Date: "+getJoiningDate());

        System.out.println("Name: "+super.getName());

        System.out.println("Email: "+super.getEmail());

        System.out.println("-------------------------");

    }

}

**Main Function:**

import java.util.Scanner;

public class Start {

    public static void main(String[] *args*) {

        Scanner sc = new Scanner(System.in);

        boolean flag = true;

        while(flag)

        {

            System.out.println("Enter Option:");

            System.out.println("1.Person");

            System.out.println("2.Student");

            System.out.println("3.Teacher");

            System.out.println("4.Exit");

            int option = sc.nextInt();

            sc.nextLine();

            switch(option)

            {

                case 1:

                {

                    Person p = new Person();

                    p.showPerson();

                    break;

                }

                case 2:

                {

                    Student s = new Student();

                    System.out.print("Enter Id:");

                    String id = sc.nextLine();

                    s.setStudentId(id);

                    System.out.print("Enter Admission Date(DD/MM/YY):");

                    String date = sc.nextLine();

                    s.setAdmissionDate(date);

                    s.showStudent();

                    break;

                }

                case 3:

                {

                    Teacher t = new Teacher();

                    System.out.print("Enter Id:");

                    String id = sc.nextLine();

                    t.setEmployeeId(id);

                    System.out.print("Enter Admission Date(DD/MM/YY):");

                    String date = sc.nextLine();

                    t.setJoiningDate(date);

                    t.showTeacher();

                    break;

                }

                case 4:

                {

                    System.out.println("Exiting....");

                    flag = false;

                    break;

                }

                default:

                {

                    System.out.println("Invalid Input");

                    System.out.println("Enter Again...");

                    break;

                }

            }

        }

        sc.close();

    }

}