public class PersonalInformation {

private String name;

private String email;

private String phone;

public PersonalInformation(String name, String email, String phone) {

this.name = name;

this.email = email;

this.phone = phone;

}

public String getName() {

return name;

}

public String getEmail() {

return email;

}

public String getPhone() {

return phone;

}

@Override

public String toString() {

return "Name: " + name + "\nEmail: " + email + "\nPhone: " + phone;

}

}

public class Education {

private String degree;

private String institution;

private String yearOfGraduation;

public Education(String degree, String institution, String yearOfGraduation) {

this.degree = degree;

this.institution = institution;

this.yearOfGraduation = yearOfGraduation;

}

public String getDegree() {

return degree;

}

public String getInstitution() {

return institution;

}

public String getYearOfGraduation() {

return yearOfGraduation;

}

@Override

public String toString() {

return degree + " from " + institution + " (Graduated: " + yearOfGraduation + ")";

}

}

public class WorkExperience {

private String jobTitle;

private String company;

private String duration;

public WorkExperience(String jobTitle, String company, String duration) {

this.jobTitle = jobTitle;

this.company = company;

this.duration = duration;

}

public String getJobTitle() {

return jobTitle;

}

public String getCompany() {

return company;

}

public String getDuration() {

return duration;

}

@Override

public String toString() {

return jobTitle + " at " + company + " (" + duration + ")";

}

}

import java.util.ArrayList;

import java.util.List;

public class Resume {

private PersonalInformation personalInformation;

private List<Education> educationList;

private List<WorkExperience> workExperienceList;

public Resume() {

educationList = new ArrayList<>();

workExperienceList = new ArrayList<>();

}

public void setPersonalInformation(PersonalInformation personalInformation) {

this.personalInformation = personalInformation;

}

public void addEducation(Education education) {

educationList.add(education);

}

public void addWorkExperience(WorkExperience workExperience) {

workExperienceList.add(workExperience);

}

public void generateResume() {

StringBuilder resume = new StringBuilder();

resume.append("----- Resume -----\n");

resume.append("\nPersonal Information:\n");

resume.append(personalInformation.toString()).append("\n");

resume.append("\nEducation:\n");

for (Education education : educationList) {

resume.append(education.toString()).append("\n");

}

resume.append("\nWork Experience:\n");

for (WorkExperience workExperience : workExperienceList) {

resume.append(workExperience.toString()).append("\n");

}

System.out.println(resume.toString());

}

}

import java.util.Scanner;

public class ResumeBuilderApp {

public static void main(String[] args) {

Resume resume = new Resume();

Scanner scanner = new Scanner(System.in);

System.out.println("Welcome to the Resume Builder!");

// Collect personal information

System.out.print("Enter your name: ");

String name = scanner.nextLine();

System.out.print("Enter your email: ");

String email = scanner.nextLine();

System.out.print("Enter your phone: ");

String phone = scanner.nextLine();

PersonalInformation personalInfo = new PersonalInformation(name, email, phone);

resume.setPersonalInformation(personalInfo);

// Collect education details

System.out.print("How many education entries do you want to add? ");

int numEducation = scanner.nextInt();

scanner.nextLine(); // consume the newline

for (int i = 0; i < numEducation; i++) {

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

String degree = scanner.nextLine();

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

String institution = scanner.nextLine();

System.out.print("Enter year of graduation: ");

String yearOfGraduation = scanner.nextLine();

Education education = new Education(degree, institution, yearOfGraduation);

resume.addEducation(education);

}

// Collect work experience details

System.out.print("How many work experience entries do you want to add? ");

int numWork = scanner.nextInt();

scanner.nextLine(); // consume the newline

for (int i = 0; i < numWork; i++) {

System.out.print("Enter job title: ");

String jobTitle = scanner.nextLine();

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

String company = scanner.nextLine();

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

String duration = scanner.nextLine();

WorkExperience workExperience = new WorkExperience(jobTitle, company, duration);

resume.addWorkExperience(workExperience);

}

// Generate the resume

resume.generateResume();

scanner.close();

}

}