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package emailapp;

import java.util.Scanner;

public class Email {
    private String firstName;
    private String lastName;
    private String password;
    private String department;
    private String email;
    private int defaultPasswordLength=10;
    private String companySuffix="company.com";

    public Email(String firstName,String lastName) {
        this.firstName = firstName;
        this.lastName = lastName;
        System.out.println("Email Created:"+this.firstName+" "+this.lastName);

        this.department=setDepartment();
        System.out.println("Department: "+this.department);

        this.password=randomPassword(defaultPasswordLength);
        System.out.println("Your password is: "+this.password+"\n\n");

        email=firstName.toLowerCase()+"."+lastName.toLowerCase()+"@" +department+"."+companySuffix;
        System.out.println("Your email is:"+email);
    }

    private String setDepartment() {
        System.out.print("New Worker: "+firstName + "\nDEPARTMENT CODES:\n1 for technical\n2 for
legal\n3 for admin\n4 for hr\nEnter the department code: ");
        Scanner in=new Scanner(System.in);
        int depchoice=in.nextInt();
        if(depchoice==1) {
            return "techincal";
        }
        else if(depchoice==2) {
            return "legal";
        }
        else if(depchoice==3) {
            return "admin";
        }
        else if(depchoice==3) {
            return "hr";
        }
    }

    private String randomPassword(int length) {
        String passwordSet= "XYZ0123!@#$$%";
        char[] password=new char[length];
        for(int i=0;i<length;i++) {
            int rand=(int) (Math.random()*passwordSet.length());

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        password[i]=passwordSet.charAt(rand);
    }
    return new String(password);
}

public String getPassword() { return password; }

public String showinfo() {
    return "DISPLAY NAME: "+firstName+" "+lastName+
           "\nCOMPANY EMAIL: "+email
}

}
```