**package EmailApp;**

**import java.util.Scanner;**

**public class Email {**

**private String firstname;**

**private String lastname;**

**private String password;**

**private String department;**

**private int mailboxCapacity = 100;**

**private String alternateEmail;**

**private String comName = “Google.com”;**

**private String changePassword;**

**// Constructor to accept first name and last name**

**public Email(String firstname, String lastname) {**

**this.firstname = firstname;**

**this.lastname = lastname;**

**System.out.println(“Email account created for: “ + this.firstname +” “ + this.lastname);**

**//call the method for the department setup**

**this.department = setDepartment();**

**System.out.println(“Department: “ + this.department);**

**//call a method that returns a random password**

**this.password = setPassword(8);**

**System.out.println(“Your password is: “ + this.password);**

**}**

**// ask for department**

**private String setDepartment() {**

**System.out.print(“Department codes:\n1) Sales \n2) Development \n3) Accounting \n0) None\nEnter department code “);**

**Scanner scanner = new Scanner(System.in);**

**int department = scanner.nextInt();**

**scanner.close();**

**if(department == 1) { return “Technical”; }**

**else if(department == 2) { return “Admin”; }**

**else if(department == 3) { return “Human Resource”; }**

**else if(department == 4) { return “Legal”; }**

**else { return “ “;}**

**}**

**// generate a random password**

**private String setPassword(int length) {**

**String passwordChar = “ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789#$\*%!”;**

**char[] password = new char[length];**

**for(int i=0;i<length;i++) {**

**int random = (int) (Math.random() \* passwordChar.length());**

**password[i] = passwordChar.charAt(random);**

**}**

**return new String(password);**

**}**

**// set the mailbox capacity**

**public int setMailBoxCapacity(int capacity) {**

**this.mailboxCapacity = capacity;**

**return mailboxCapacity;**

**}**

**// set the alternate email**

**public String setAltEmail(String altEmail) {**

**this.alternateEmail = altEmail;**

**return alternateEmail;**

**}**

**// change the password**

**public String changePassword(String password) {**

**this.changePassword = password;**

**return changePassword;**

**}**

**public void info() {**

**System.out.println(“Name: “ + this.firstname + “ “ + this.lastname);**

**System.out.println(“Email address is: “ + this.firstname.toLowerCase() + “.” + this.lastname.toLowerCase() + “@” + this.department + “.” + comName );**

**System.out.println(“Your mail box capacity is: “ + mailboxCapacity + “mb”);**

**}**

**}**

→Class EmailApplication.java:

**package EmailApp;**

**import java.util.\*;**

**public class EmailApplication {**

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

**Scanner scanner = new Scanner(System.in);**

**System.out.println(“Enter your first name: “);**

**String firstname = scanner.next();**

**System.out.println(“Enter your last name: “);**

**String lastname = scanner.next();**

**Email obj = new Email(firstname,lastname);**

**obj.info();**

**scanner.close();**

**}**

**}**