

```
Employee.java x sortAndSearch.java
1 package pri;
2 import java.util.Scanner;
3
4 public class Employee {
5     private final String name;
6     private final String username;
7     private final String email;
8     private String password;
9
10    public Employee() {
11        this.name = setName();
12        this.username = setUsername(name);
13        this.email = setEmail(username);
14        this.password = setPassword(username);
15    }
16    @Override
17    public String toString() {
18        return "Employee Details\n" +
19            "Name : " + name + "\n" +
20            "Username : " + username + "\n" +
21            "Email : " + email + "\n" +
22            "Initial Password : " + password;
23    }
24    private int countChars(String str, char ch) {
25        int count = 0;
26        for (int i = 0; i < str.length(); i++) {
27            if (str.charAt(i) == ch) {
28                count++;
29            }
30        }
31        return count;
32    }
33    private String setName() {
34        Scanner scanner = new Scanner(System.in);
35        String name;
36        int count;
```

```
Employee.java x sortAndSearch.java
37        Scanner scanner = new Scanner(System.in);
38        String name;
39        int count;
40        do {
41            System.out.print("Enter your full name (first and last name): ");
42            name = scanner.nextLine();
43            count = countChars(name, ' ');
44        } while (count != 1);
45        return name;
46    }
47    private String setUsername(String name) {
48        return name.toLowerCase().replace(" ", ".");
49    }
50    private String setEmail(String username) {
51        String[] parts = username.split("\\.");
52        return parts[0].charAt(0) + parts[1] + "@oracleacademy.Test";
53    }
54    private String setPassword(String username) {
55        String password = username.length() >= 8 ? username.substring(0, 8) : String.format("%-8s", username).replace(' ', '*');
56        password = password.replaceAll("[aeiou]", "*");
57        char[] passwordChars = password.toCharArray();
58        for (int i = 0; i < passwordChars.length; i++) {
59            if (Character.isAlphabetic(passwordChars[i])) {
60                passwordChars[i] = Character.toUpperCase(passwordChars[i]);
61                break;
62            }
63        }
64        return new String(passwordChars);
65    }
66    public static void main(String[] args) {
67        Employee employee = new Employee();
68        System.out.println(employee);
69    }
70 }
```

```
Console x
<terminated> Employee [Java Application] C:\Users\DELL\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v2024
Enter your full name (first and last name): Priyal T
Employee Details
Name : Priyal T
Username : priyal.t
Email : pt@oracleacademy.Test
Initial Password : Pr*y*1.t
```