

TASK 11

1.Source code

UserDataApp.java

```
import java.io.*;

import java.util.Scanner;

/*
 * Task 11: File Handling – User Data Storage System
 */

public class UserDataApp {

    private static final String FILE_NAME = "user_data.txt";

    // Method to write user data to file (append mode)
    static void writeUserData(String name, String email, String phone) {

        File file = new File(FILE_NAME);

        try {

            // Create file if it does not exist
            if (!file.exists()) {

                file.createNewFile();

            }

            // FileWriter with append = true
```

```
FileWriter fw = new FileWriter(file, true);

BufferedWriter bw = new BufferedWriter(fw);


bw.write("Name: " + name);

bw.newLine();

bw.write("Email: " + email);

bw.newLine();

bw.write("Phone: " + phone);

bw.newLine();

bw.write("-----");

bw.newLine();


bw.close(); // close BufferedWriter (also closes FileWriter)


System.out.println("User data saved successfully.");


} catch (IOException e) {

    System.out.println("Error while writing data: " + e.getMessage());

}

}


// Method to read user data from file

static void readUserData() {


    File file = new File(FILE_NAME);
```

```
if (!file.exists()) {  
    System.out.println("No user data found.");  
    return;  
}  
  
try {  
    FileReader fr = new FileReader(file);  
    BufferedReader br = new BufferedReader(fr);  
  
    String line;  
    System.out.println("\n--- Stored User Records ---");  
    while ((line = br.readLine()) != null) {  
        System.out.println(line);  
    }  
  
    br.close(); // close BufferedReader  
  
} catch (IOException e) {  
    System.out.println("Error while reading data: " + e.getMessage());  
}  
}  
  
public static void main(String[] args) {
```

```

Scanner sc = new Scanner(System.in);

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

String name = sc.nextLine();

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

String email = sc.nextLine();

System.out.print("Enter Phone Number: ");

String phone = sc.nextLine();

// Write data to file

writeUserData(name, email, phone);

// Read data from file

readUserData();

sc.close();
}
}

```

2.Output

```

Enter Name: Akshata
Enter Email: akshatatrathod@gmail.com
Enter Phone Number: 9483891930
User data saved successfully.

--- Stored User Records ---
Name: Akshata
Email: akshatatrathod@gmail.com
Phone: 9483891930
-----

```