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package com.simplilearn.demo
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import java.io.BufferedReader;
import java.io.File;
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.io.InputStreamReader;
import java.util.Scanner;

public class ReadWriteandAppend {
    public static void main(String args[]) throws FileNotFoundException,
    IOException {
        System.out.println("Please select one of the below
operations");
        System.out.println(" w for write mode ");
        System.out.println(" r for read mode ");
        System.out.println(" a for append mode ");
        Scanner in =new Scanner(System.in);
        String s=in.nextLine();
        if(s.equalsIgnoreCase("r"))
        {
            new FReading();
        }p
        else if(s.equalsIgnoreCase("w") || s.equalsIgnoreCase("a"))
        {
            writingToFile(s);

        }
        else
        {
            System.out.println("Sorry you try to do
unexpected ,betterluck next time ");
        }

        in.close();
    }

    public static void writingToFile(String s)
    {
        Scanner in=null;
        try
        {
            String source = "";
            File f=new File("file1.txt");
```

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        BufferedReader bf=new BufferedReader(new
InputStreamReader(System.in));
        //For writing new Content Everytime you run
        FileWriter f0 =null;
        if(s.equalsIgnoreCase("w"))
        {
            f0 = new FileWriter(f,false);
            System.out.println("CAUTION >> Please understand it
will overwrite the content of the file ");
            System.out.println("Type 'no' to exit");
            System.out.println("Do you want to proceed :type 'yes'
");

            in=new Scanner(System.in);
            String s1=in.nextLine();
            if(s1.equals("no"))
            System.exit(0);
            System.out.println("Write 'stop' when you finish
writing file ");

            f.delete();
            f.createNewFile();
            while(! (source=bf.readLine()).equalsIgnoreCase("stop"))
            {
                f0.write(source +
System.getProperty("line.separator"));

            }

            in.close();
        }
        //For appending the content
        else
        { f0 = new FileWriter(f,true);
            System.out.println("Write 'stop' when you finish
appending file ");

            while(! (source=bf.readLine()).equalsIgnoreCase("stop"))
            {
                f0.append(source+
System.getProperty("line.separator"));

            }
            f0.close();
        }
        catch(Exception e){
            System.out.println("Error : " );
            e.printStackTrace();
        }
    }

}

class FReading {
    public static String str="";

    public FReading() {

```

```

    try{
        File f5=new File("file1.txt");
        if(! f5.exists())
            f5.createNewFile();
        FileReader fl=new FileReader(f5);
        BufferedReader bf=new BufferedReader(fl);
        //For reading till end
        while((str=bf.readLine())!=null){
            System.out.println(str);
        }
        fl.close();
    }catch(Exception e){
        System.out.println("Error : " );
        e.printStackTrace();
    }
}
}

```

The image shows two side-by-side screenshots of a Java application window. The window has a title bar and a scrollable text area. The text area contains the following text:

Please select one of the below operations
w for write mode
r for read mode
a for append mode

In the left screenshot, the user has entered 'r' and the output is 'welocme to java' (note the typo). In the right screenshot, the user has entered 'a' and the output is 'welocme to java' (note the typo) followed by 'stop' on a new line. The text area has a scrollbar on the right side.