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package Assessment;

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();
        }
        else
        if(s.equalsIgnoreCase("w") || s.equalsIgnoreCase("a"))
        {
            writingToFile(s);

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

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        in.close();
    }

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

            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"));

                }
            }
        }
    }
}

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        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();
    }
}
}

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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();
        }
    }
}

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