**File Handling**

**write a Java code to read, write, and append to a file.**

**package** file\_handling;

**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** File\_handling\_project

{

**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 ");

}

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"));

}

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();

}

}

}